

## Professor Barrett Designs Venus Probe Equipment

Mariner II, the United States Venus probe, has gathered "extremely valuable scientific data," Dr. Alan H. Barrett said Sunday.

Dr. Barrett, associate professor of Electrical Engineering, designed the microwave detection equipment aboard the "fly-by" probe, which passed Friday within 21,000

a peak would be anticipated at the planet's fringes.

Dr. Barrett indicated that his instruments had made a definite finding. However, he was under explicit instructions from the National Aeronautics and Space Administration not to divulge its nature. An announcement from NASA is expected this week.

The microwave detectors were to be actuated by a clock mechanism aboard the space probe. During the cruise, the clock was to send an actuating signal every 160 minutes. Until a predetermined number of these signals had been received, the detecting mechanism was not to respond. During the 109-day cruise, however, the clock inexplicably failed to send two of its signals. Consequently, the detectors were not automatically switched on at the expected time, and a signal from Earth had to be employed to do the task.

Earlier in the flight another signal from Earth was used to actuate nitrogen gas jets which corrected the course of the probe.

Two other Boston-area men collaborated with Dr. Barrett in designing the microwave equipment; Dr. A. E. Lilley of Harvard Observatory, and Dr. Jack Copeland of Ewen-Knight Corp., Natick. The Jet Propulsion Laboratory of California Institute of Technology had overall charge of the experiments.

Mariner I, the twin of Mariner II, was destroyed from the ground when its booster rocket went out of control on launching, July 22.



Dr. Alan H. Barrett

miles of Venus. Barrett said that "all phases of the mission were very big successes."

Mariner II, launched August 27, also gathered data on cosmic dust, solar plasmas, high energy particles, and magnetic fields; however, the microwave experiment was of prime interest.

The microwave equipment was designed to reveal whether or not Venus is a hot planet. Microwave radiation from the planet indicates a surface temperature of 600 degrees F; however, this radiation could also be produced by high ionization of Venus' dense atmosphere. (It is this atmosphere which has prohibited optical observation of Venus' surface.)

This question must be answered before exploratory vehicles can be sent to the planet's surface. If the temperature is high, equipment must be able to withstand it; high ionization would affect the communications facilities.

The microwave detector was to scan the planet several times as it passed by. If the signals were due to the planet's temperature, a maximum signal would be expected when the detector pointed at the planet's center. Were the microwaves due to the ionosphere,

## Inscomm Will Discuss Commissions Further Before Taking Vote

A motion that decisions on payment of commissions be left essentially to the individual activities was tabled after much discussion at the Institute Committee meeting Thursday.

Finance Board made an alternate proposal which eventually became an amendment to the original motion; this amendment proposed that decisions be made by both Activities Council and Finboard.

When the question was first brought up some time ago, Inscomm had suggested that Activities Council and Finboard get together and try to arrive at a joint proposal.

After lengthy consideration of numerous possibilities, Finboard arrived at a motion which it felt would be most acceptable to both but discarded point three in favor of a "Technique" proposal: that the decision on all compensation other than that covered by points (1) and (2) should rest with the activity.

(Please turn to page 3)

## CBS Correspondents Meet At Kresge



Eleven top CBS foreign correspondents convened at Kresge Sunday night to discuss current world events. —Photo by Conrad Grundlehner

By Jason Fane

"Stevenson will be the American Ambassador to the United Nations at least until the end of President Kennedy's first term," predicted David Schoenbrun.

He spoke as part of a panel of eleven CBS news correspondents to an estimated audience of 900 people in Kresge Auditorium Sunday night.

The newsmen informally answered questions from the audience. The subjects included the split between Russia and China, the conflict between India and China, to the progress in underdeveloped nations, and Japanese trade with Communists nations.

### Russo-Chinese Relations

Moscow correspondent Marvin Kalb claimed firmly, "I think that the Russian-Chinese alliance has been dissolved. It is an awfully funny type of alliance. An alliance supposes a community of interest. Right now, their only community of interest is a dedication to the religion of Marxism."

"Currently each is claiming that it has the true approach to Marxism and that the other has

sold out Communism. The alliance now exists only in name, if even that much." Kalb added: Khrushchev was placed in a very bad position by the fight between India and China. On the one hand, he should support China, his professed ally; on the other, he has tried very hard to maintain the support of the neutral nations.

### USSR Helps India

Despite this dilemma, it is now perfectly clear that he has been supporting India more and more in the conflict.

Bernard Kalb, Hong Kong correspondent, picked up the point. The Indian ambassador has received every assurance that Russia will honor its two commitments to India:

- 1) —Delivery of MIG's, and
- 2) — establishment of a MIG factory in India.

However, he pointed out that the MIG's are to be delivered behind schedule, and that the MIG factory will be of limited value until adequate ground support is available. This will not be until 1965. The Soviets have been suffering a severe ideological conflict and this has delayed their action.

Bernard Kalb added this side-light: In India the start of the war has had an electrifying effect to unite India, and many people feel that the birth of India was on October 20, 1962, rather than in 1948.

### India Now Pro-West

"Perhaps India may lose territory, but India is no longer neutral and is now pro-Western. This political change is irrevocable," asserted Kalb.

He explained that the Indians had believed the Chinese would never attack their Asian brothers, and that if they did, the Russians would check the Chinese attack.

## Sophomore's New JP Committee Seeks Strong Class Support

By John L. Schwartz

Art Bushkin, '65, one of five sophomores elected to Junior Prom Committee on December 4 by the Class of '65, has emphasized the need for strong class support in the planning of next year's JP Weekend.

The new committee, composed of Bushkin, Marshall Fisher, Roddy McLeod, Steve Wolff, and Dick Schmalensee, has already met twice to begin planning for next fall's major social event. The four-day Veteran's Day Weekend, November 8-11, has been tentatively chosen for JP.

Bushkin explained that the committee would like students' reactions to past Proms as well as any suggestions for next year's dance. A detailed questionnaire will be distributed to the members of the Class of '65 to determine preferences concerning types of entertainment and social functions.

The possibility of a semi-formal dance Friday night rather than the formal of past years, as well as a social event Sunday, was aired by Bushkin. He added, "Rather than have just five people plan the weekend, we'd like to get the opinions of the entire class."

The new committee is waiting for the final evaluation report by this year's JP Committee before deciding where events will be held and what policy will be on such matters as ticket sales.

They have been forced to change their minds.

However, the Indians are still determined to keep the friendship of the Soviet Union. Partially for economic reasons, but also because they do not want to drive Russia and China closer together, the Indians have been making great efforts to maintain good relations with the USSR.

Peter Kalischer, Tokyo correspondent observed that no Formosan accepts the MacMahon line. But even though the Formosans are anti-Communist, he continued, as Chinese they take a vicarious pleasure in seeing that Chinese can effortlessly "beat the Indians before breakfast."

### Africans Growing Up

Changing the subject, Washington correspondent David Schoenbrun noted a big change in the attitude of the new nations in Africa. In the past the African nations wanted "a Marshall Plan pill for instant industrialization."

(Please turn to page 3)

## Toilet Bomber Given Pencil Probation By Institute Judcomm

By Joseph Sullivan

The freshman bomber, who demolished a Burton House toilet bowl two Saturdays ago, was recommended for pencil probation by Institute Judcomm at a special meeting last Sunday.

The student submitted a signed statement confessing to the bombing. His name is being withheld by Judicial Committee, although he has been identified as a Delta Kappa Epsilon pledge.

The terms of the probation are as follows:

- (1) The student is to meet regularly with the Associate Dean of Student Counseling, William Speer.
- (2) He is to assume full financial responsibility for replacement of the toilet bowl and any other damage to the lavatory caused by the flying porcelain. This is estimated to run between \$100 and \$140.

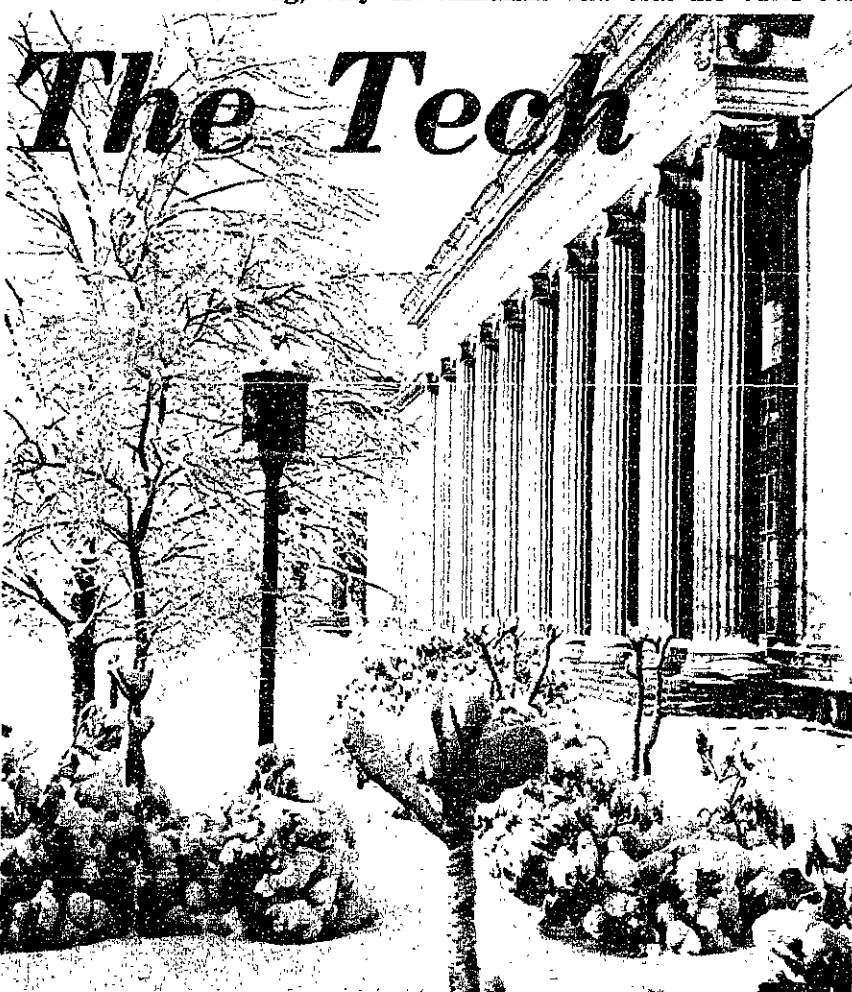
The pencil, or informal probation must first be approved by the Dean's Office. This probation will not appear on the student's permanent record.

Present at the Sunday meeting were representatives of the Burton Judicial Committee and Delta Kappa Epsilon. According to Ken Weyler '63, Secretary of the Institute Judcomm, the Dekes acted as advisers to the freshman.

Weyler also said that Judcomm was sending a memorandum around to all living groups this week reminding them of the rule forbidding the possession of firearms and explosives in the Houses. The bomb was a carbon dioxide cylinder filled with shotgun powder.

## Strattons Invite Students To Christmas Open House

President and Mrs. Stratton have invited all students who will remain on campus during vacation to an open house this Friday. The invitation, posted on bulletin boards throughout the campus, request replies from those who will attend. The open house will last from 4:00 to 6:00 p.m.



Vol. 82, No. 27 Cambridge, Mass., Tuesday, Dec. 18, 1962 5c

## Merry Christmas

## Convocation To Replace Classes

Tomorrow's 11:00 classes will be suspended because of the traditional Christmas convocation.

President Stratton will be among

the speakers at the program, which will be presented in Kresge Auditorium. The assembly will be open to the public; and refreshments will be served.

## Registration Materials Available In Building 10 January 7

The Registrar's Office announces that registration material for the second term may be obtained as follows:

1. Present registration certificates.
2. Regular students obtain material in the Building 10 lobby —

from 9:00 a.m. to 4:00 p.m. — Monday, January 7. After this day obtain material at the Information Office.

3. Special students and students entering graduate year, obtain material at Registrar's Office after application has been approved by Admissions Office.

## Harvard Psychologists Support Drugs

Two Harvard psychologists have come out in favor of new "consciousness-expanding" drugs such as mescaline.

Drs. Richard Alpert and Timothy Leary, who have been conducting a research study of hallucinogen drugs for two years at Harvard's Center for Research in Personality, labeled as "reckless and inadequate from a scientific standpoint" a statement by Harvard College Dean John U. Munro that the drugs were a "serious hazard to the mental health and stability of even apparently normal people."

The drugs, which include mescaline, LSD, and psilocybin, are supposed to expand the mental facilities of the user. The doctors, in connection with their study of these drugs, stated that there is "no factual evidence that consciousness-expanding drugs are uniquely dangerous, and there is

considerable evidence that they are safe and beneficial."

Dean Munro touched off the dispute by making his cautioning statement in a letter to the Harvard "Crimson" two weeks ago. Munro's letter was also signed by Dr. Dana L. Farnsworth, director of the Harvard University Health Service.

## Activities Council, Secretariat Resolve Publicity Disagreements

UAP Woody Bowman '63 said that the conflict between Activities Council and Secretariat has been settled.

The conflict arose over which group would have control of publicity facilities such as bulletin boards and booths.

Two weeks ago, Activities Chairman Steve Wanner '63 presented a motion to Institute Committee giving control to the Activities Council.

The motion, which was then passed, was recalled and nullified at the December 13 Inscocm meeting when Secretariat Publicity Chairman Bob Blumberg '64 explained that the control of these facilities was expressly given to Secretariat by that body's constitution.

Bowman emphasized that Blumberg and Wanner have settled their differences as to policy. The new policy will be presented at the next Inscocm meeting by Secretariat, which will retain final jurisdiction of the matter.

The Entrepreneurship Committee, Bowman reports, is divided as to its responsibility for evaluating the quality of services or products offered by student business ventures. The committee will definitely act in a regulatory capacity and will seek to aid student business ventures.

However, some members of the committee are reluctant to take the responsibility of evaluation because of the possible contribution to the success or failure of a student business.

The topic for the spring Intercollegiate Conference will be "Federal Government: How Much?" It is hoped that the Conference, being held at MIT to evaluate government influence upon our society, will attract students even from the West coast.

The Freshman quizbook dispute has been settled outside Inscocm. It has been decided that the Walker Staff will publish the second-term quizbook with spot editing by the Freshman Council. When the Freshman Council has approved the new book, it will promote sales. The second-term book will cost \$2.00 as compared with \$3.50 for the first-term book.

## Debaters Score In Meet

Last weekend the MIT Debate Society took first place in the four-man division and second in the two-man division at the Tufts Invitational Tournament.

The Tufts tournament is the first of the more important New England tournaments, and drew the participation of 56 teams from 32 colleges and universities.

The MIT team, Glen Books '63 and Bill Morris '64, finished with a 5-1 record in the eliminations, scoring victories over Amherst, Marymount, Hofstra, Hamilton, and Brandeis while dropping their only ballot to BU. They then defeated Penn in the semi-finals of the two-man division before losing to Harvard on a split decision in the final.

Madis Sulg '66 and Jim Bohannon '66, who also finished 5-1, combined with Books and Morris to win the four-man division. They scored victories over Fordham School of Education, Harvard, Colby, Tufts, and Rhode Island, losing only to Fordham University.

The society's plans for the future include participation in the Miami (Fla.) University Tournament, over Christmas vacation, followed by tournaments at Harvard, Northwestern, Dartmouth, and Notre Dame, among others.

## Institute To Host Local High School Students

During Christmas vacation, 400 Boston area high school students and teachers will participate in the first Boston Holiday Science Lecture Series.

Lecturers in the program, which will take place at MIT, will be Drs. William Stein, Stanford Moore, and Lyman Craig, Professors at the Rockefeller Institute. All three are noted biochemists.

The general subject of the series is the separation and identification of unknown substances in biochemical research. The topics will include "Separation Based on Size," "Separation by Extraction," "Chromatography," and "Crystals and Ions."

"The purpose of the Holiday Science Lecture Program," said E. J. Sherburne, Jr., Director of

the Association's Studies in the Public Understanding of Science, "is to give selected high school students and teachers an opportunity to hear eminent scientists in lectures of the highest quality."

The lectures are sponsored by the American Association for the Advancement of Science and the American Academy of Arts and Sciences.

Other series in the Holiday Science Lectures program will be offered in New York, Chicago, Seattle and Los Angeles. The program is modeled on the Christmas Lectures of the Royal Institution of Great Britain started in 1826 by Michael Faraday as "Christmas Course of Lectures Adapted to a Juvenile Auditory."

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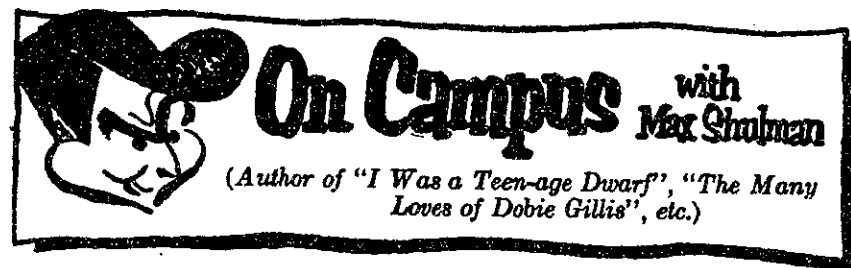
### Harmon's Stolen Car Found Abandoned

A car stolen last December 8, from in front of 400 Memorial Drive, was found, abandoned, near Central Square early Monday, December 10.

Jack Harman, '63, owner of the car, said that he left the car unattended for about ten minutes, and when he returned, the automobile was gone. A spare tire and parts to a weight lifting set were taken from the car.

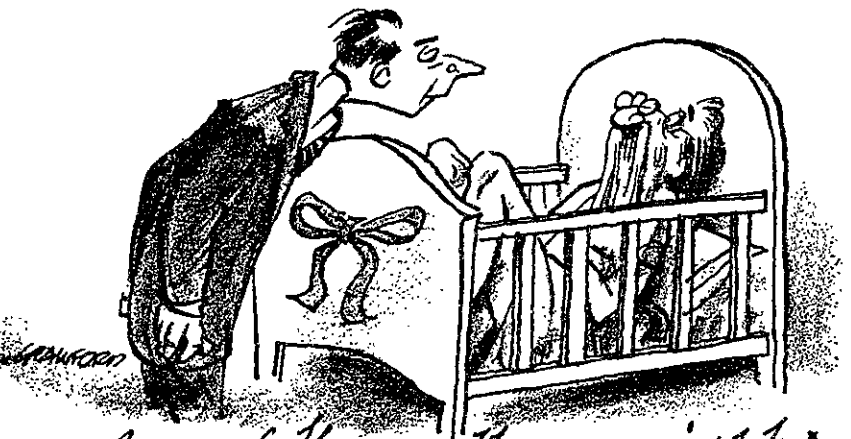
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### DECK THE HALLS

When you think of Christmas gifts you naturally think of Marlboro cigarettes, leading seller in flip-top box in all fifty states—and if we annex Wales, in all fifty-one—and if we annex Lapland—in all fifty-two. This talk about annexing Wales and Lapland is, incidentally, not just idle speculation. Great Britain wants to trade Wales to the United States for a desert. Great Britain needs a desert desperately on account of the tourist trade. Tourists are always coming up to the Prime Minister or the Lord Privy Seal or like that and saying, "I'm not knocking your country, mind you. It's very quaint and picturesque, etc. what with Buckingham Palace and Bovril and Scotland Yard, etc., but where's your desert?" (Before I forget, let me point out that Scotland Yard, Britain's plain-clothes police branch, was named after Wally Scotland and Fred Yard who invented plain clothes. The American plain-clothes force is called the FBI after Frank B. Incheliff, who invented fingerprints. Before Mr. Incheliff's invention, everybody's fingers were absolutely glassy smooth. This, as you may imagine, played hob with the identification of newborn babies in hospitals. From 1791 until 1904 no American parent



*... Some of them well over eighty*

ever brought home the right baby from the hospital. This later became known as the Black Tom Explosion.)

But I digress. England, I was saying, wants to trade Wales for a desert. Sweden wants to trade Lapland for Frank B. Incheliff. The reason is that Swedes to this day still don't have fingerprints. As a result, identification of babies in Swedish hospitals is so haphazard that Swedes flatly refuse to bring their babies home. There are, at present, nearly a half-billion unclaimed babies in Swedish hospitals—some of them well over eighty years old.

But I digress. We were speaking of Christmas gifts which naturally put us in mind of Marlboro cigarettes. What could be more welcome at Christmas time than Marlboro's flavor, Marlboro's soft pack, Marlboro's flip-top box? What indeed would be more welcome at any time of year—winter or summer, rain or shine, night or day? Any time, any season, when you light a Marlboro you can always be certain that you will get the same mild, flavorful, completely comfortable smoke.

There are, of course, other things you can give for Christmas besides Marlboro cigarettes. If, for example, you are looking for something to give a music lover, let me call to your attention a revolutionary new development in phonographs—the Low-fi phonograph. The Low-fi, product of years of patient research, has so little fidelity to the record you put on it that if, for instance, you put "Stardust" on the turntable, "Melancholy Baby" will come out. This is an especially welcome gift for people who have grown tired of "Stardust".

Merry Christmas to all and to all a good night.

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*The makers of Marlboro cigarettes, who take pleasure in bringing you this column throughout the school year, wish to join old Max in extending greetings of the Season.*



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# Tech Students Salute Ludwig On Radcliffe Lawn



Two East Campus residents stamped "To Lisa: Happy Birthday Ludwig, From E. C." in the Radcliffe Quad to honor Beethoven's Birthday. The deed, performed at 8:00 a.m. Sunday morning was timed to greet the Radcliffe girls when they looked out the window in the morning. It is addressed to Lisa Collado, a freshman in Holmes Hall. —Photo by Conrad Grundlehner

December 16, 1770. In the city of Bonn, Germany, Ludwig van Beethoven was born. He went on to become one of the world's most noted composers. One of his greatest admirers is Schroeder, the juvenile pianist of Charles Schulz's comic strip "Peanuts."

In recent weeks, Schroeder has been heralding the advent of Beethoven's Birthday. MIT celebrated the event in various ways.

In Senior House, Sharad Chauhan '65 plastered on every door a poster depicting the countenance of the famed maestro with the simple inscription "Happy Birthday, Ludwig." In years past, Senior House has even held Beethoven Birthday parties on the sixteenth.

Meanwhile, East Campus residents Don Siefkes '64 and Bob Miller '63 raided the Radcliffe Quadrangle with the intention of spreading a 55-lb. sack of flour on the lawn in the inscription "Happy Birthday, Ludwig." Apparently foiled by the night's snowfall, they nevertheless hit upon the method of trudging along, forming the 10-ft. high words by packing down the snow.

They arrived at 8:00 a.m. shortly after the night watchman got off duty, and finished the job uninterrupted in 15 minutes. Miller's only comment: "Know anyone who needs fifty-five pounds of flour?"

# TNPRR Holds Open House



Visitors observe the operation of the Tech Model Railroad Club at the organization's open house held last Saturday at their Building 20 headquarters. —Photo by Conrad Grundlehner

# 'Technique' Opposes Finboard Proposal

(Continued from page 1)

This latter proposal also requested that Finance Board not use an activity's policy of resides; this was presented by Pete Van Aken, Finboard chairman, at an Activities Council meeting two weeks ago.

The proposal consisted of three points:

- 1) That activities may allow to students personal use of the activities' facilities.
- 2) That no student may receive financial reward simply by virtue of holding an office in an activity.
- 3) That activities may pay students for certain duties but only if permission is granted by both Finboard and Activities Council. Such a decision will be subject to review and revocation by both groups; activities now paying students may continue to do so, but increases or expansions in these payments will be subject to the above regulations.

Activities Council generally agreed with points (1) and (2), numeration as sole basis for granting or withdrawing funds.

It was this amended proposal, with the Technique motion substituted for Finboard's point (3),

which Activities Council presented to Incomm. Finboard, which was unable to agree with this motion, essentially proposed its original motion as an alternate. Each side stated its case, so that Incomm members might become acquainted with the issue, but debate was limited and action postponed until a later date.

According to Undergraduate Association President Woody Bowman, Incomm probably won't get around to tackling the issue before next semester. Attempts will be made before that time to clarify and isolate the main points of controversy. Under consideration is discussion of the topic over Incomm "Open Line."

# 15 Cadets Cited By Army ROTC

Fifteen MIT ROTC cadets were awarded the title of Distinguished Military Student by Col. Irving W. Finberg, Professor of Military Science.

The certificates cited the seniors "for displaying outstanding qualities of leadership, high moral character, noteworthy academic achievement, and exceptional aptitude for military service."

The designation of Distinguished Military Student is both a recog-

# Christmas Vacation Library Hours

Date	Aero	Dewey & Eng.	General-Hum.	Reserve Book & Music	Rotch	Science
Fri., Dec. 21	9-5	9-5	8-10:45	8-5	9-10	8-10:45
Sat., Dec. 22	closed	9-5	8-5	9-5	9-4	8-5
Sun., Dec. 23	closed	closed	1-5	1-5	closed	1-5
Mon., Dec. 24	closed	closed	8-5	9-5	9-5	8-5
Tues., Dec. 25	closed	closed	closed	closed	closed	closed
Wed., Dec. 26	9-5	9-5	8-10:45	9-5	9-5	8-10:45
Thurs., Dec. 27	9-5	9-5	8-10:45	9-5	9-5	8-10:45
Fri., Dec. 28	9-5	9-5	8-10:45	9-5	9-5	8-10:45
Sat., Dec. 29	closed	9-5	8-5	9-5	9-12	8-5
Sun., Dec. 30	closed	closed	1-5	1-5	closed	1-5
Mon., Dec. 31	9-5	9-5	8-5	9-5	9-5	8-5
Tues., Jan. 1	closed	closed	closed	closed	closed	closed
Wed., Jan. 2	9-5	9-5	8-10:45	9-5	9-5	8-10:45
Thurs., Jan. 3	9-5	9-5	8-10:45	9-5	9-5	8-10:45
Fri., Jan. 4	9-5	9-5	8-10:45	9-5	9-5	8-10:45
Sat., Jan. 5	closed	9-5	8-9	9-5	9-12	8-9
Sun., Jan. 6	closed	closed	1-10:45	1-5	closed	1-10:45
Mon., Jan. 7			Resume Regular Hours			

# 1962 Discussed

# Newsmen Meet At Kresge

(Continued from Page 1)

They used to come to Washington asking for the nuclear reactors which seem to be a modern symbol of national manhood.

Now, Schoenbrun continued, their priority is education first,

roads second, modern industry third.

Richard C. Hottelet, United Nations correspondent noted, "You see the same process of learning in the UN. At first the African representatives wanted to make flaming statements to be recorded in the pages of history. Now they are more modest and quiet."

# Pershing Rifle Group Conducts Field Tests For Its New Pledges

MIT's Pershing Rifle Company conducted a training maneuver at Fort Devens last weekend with the PR Companies from Worcester Polytechnic Institute and the University of Vermont.

The MIT students conducted an extensive training program for over 80 ROTC cadets during the weekend.

The schedule of instruction provided for practical exercises in radio communications, hand-to-hand combat, land navigation, and infantry tactics. This instruction was followed by an afternoon tactical problem, in which the main body of the cadets were ambushed by cadet guerrilla forces.

Saturday evening, the cadets made a night attack on a hill defended by the machine gun-armed guerrilla forces.

One function of the weekend was to serve as a final test for the new pledges to the Pershing Rifle Company. Also, for the upperclassmen, the training was an opportunity to field-test their classroom-acquired leadership techniques.

# United Fund Goal Reached

The MIT community exceeded the \$74,000 goal set for its 1962 United Fund drive with contributions totaling nearly \$75,000. This amount is almost \$15,000 more than the total contributed in last year's drive.

The successful campaign was headed by Dr. F. Leroy Foster, director of the Division of Sponsored Research and Lowell Institute School. The campaign coordinator was Miss Julie McClellan of the Admissions Office.

# 23% of Students Married

The number of married students at MIT this year has reached 1558 — 23% of a total enrollment of 6695. While the majority of these are graduate students, 6.7% undergraduates are married; 4.3% are seniors, and 2.0% juniors.

# APO Reschedules Spring Carnival; Also Elects New Officers

APO's annual Spring Carnival has been rescheduled for April 27, instead of April 20 as previously planned.

MIT's Alpha Chi Chapter of the national service fraternity, Alpha Phi Omega, has made the change so that the event will coincide with the new date of Institute Open House.

On the same date, APO plans to conduct an Explorer Science and Engineering Conference. Explorer Scouts from the entire Northeast will be invited to hear lectures and see displays set up in conjunction with the Open House.

Alpha Chi Chapter elected new officers Wednesday. They are: Ed Shibata '64, president; Carl Mampae '64, Membership Vice-President; Tom Arnold '64, Social VP; John Prokopy '64, Service VP; Steve Bless '65, Recording Secretary; Bruce Bottomley '65, Corresponding Secretary; Abba Weinstein '64, Alumni Secretary; John Freeman '64, Treasurer; and Dick Wright '65, Historian.

# Prof. Edgerton Gets Billiard Award; Cited For Institute Service

Professor Harold E. Edgerton received the second Gordon Y. Billard Award from Dr. Julius A. Stratton, president of MIT's corporation, on December 5.

Also present at the ceremony in Dr. Stratton's office were Deans Brown, Fassett, and Wadleigh, and Dr. Peter Elias, chairman of the Electrical Engineering Department.

The award was given to Prof. Edgerton for his selfless contributions over many years to the interests of students, not only as a teacher but also as a faculty advisor and friend of the students.

The Gordon Y. Billard Award was established by Billard '24, who set up an endowment fund to provide awards for members of the faculty for outstanding service to the Institute.

Awards are made at the discretion of the President. The first award was presented in 1961 to Professor Samuel Mason, headmaster in Senior House, and his wife.

BULLETIN NO. 15

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# THE TECH

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## Curtains

Last year about this time, an attempt was made to relieve the overcrowded libraries of part of their burden by opening up certain classrooms in Building Two for use as study rooms. The experiment was largely a failure; it seems that for all the noise and overcrowding, most people prefer to study in the library. Why? One good reason is that the classrooms in Building Two, like many other MIT classrooms, are not very inviting places to work.

It seems to us that classrooms which are not inviting places to work probably aren't very inviting places to learn in either. Who ever said that, to be effective, a classroom must be uncomfortable and dingy?

We believe that designing a classroom with elements of comfort and color is now a well-accepted imperative among architects. Why shouldn't these same principles be applied to the renovation of the classrooms we already

have and will probably have for many years to come?

A good classroom should be warm, well-lighted, and acoustically viable. The desks should be roomy and comfortable, not sidearm desks designed for pygmies who are taking notes on microfilm. A certain number of rooms should be designed specifically for large class seminar-type teaching. In every case the chairs should be comfortable enough for an hour's note-taking.

Since Boston's climate is not exactly temperate, we don't think it unreasonable to ask that provision be made for hanging up the heavy apparel sometimes necessary for survival. Finally, curtains to cover the green shades which are covering the windows and attractive wall paint might even make Building Two liveable.

## All A Mistake?

In a distinctly pessimistic article for the December 15 issue of *The Nation*, MIT's Huston Smith characterizes the twenty years since the achievement of the first self-sustaining nuclear reaction as an "arc of peril." Dr. Smith notes five significant responses to the era: a sense of peril (Oppenheimer from the Bhagavad-Gita—"I am become death, (The shatterer of worlds)"); proposed retreat ("It was all a mistake"); negative motivation (It may frighten us into being reasonable); containment (as the oyster does the pearl); and reason (Einstein; "the real problem is in the hearts of men.")

As a philosopher trying to glean from twenty chaotic years the social salients of nuclear energy, we think Dr. Smith has taken a regrettably negative view. That man has never been at peace with himself is not a fact that should be imputed, along with "fire, steel and pestilence" to the pile of graphite bricks built under Chicago's Flagg Stadium twenty years ago. Nor should it be assigned to the men who built the pile and started the reaction.

It is permitted a philosopher to reminisce with regret that nuclear weapons have come into the hands of men who have not yet

learned to conquer their own enmity, but he could as well regret that man discovered gunpowder or fire. The real question is, now that we know how to kill and overkill, can we learn how to live?

We are sure that Dr. Smith, who considers our survival thus far a "near-miracle," is among those who would rather nuclear energy had never been discovered. He is objective enough, however, to realize that this discovery was as inevitable as man's thirst for knowledge, and that proposals to retreat to a pre-nuclear bliss are as juvenile a ploy as burying one's head in the sand. What then, of the good hopes for negative motivation? Have we been frightened into sincerity in our dealings? Dr. Smith discounts this, and here we must disagree. Although twenty years of relative nuclear peace may be simply fortuitous circumstance, Dr. Smith has forgotten man's desperate will to survive, and minimized its role in the hesitation from holocaust.

This is of course no lasting solution, and neither does Dr. Smith propose one. Is it the duty of the scientists who created the power to tell us how to use it? Where does the responsibility lie? Einstein's response, as amended by Dr. Smith, lays it to the hearts and minds of men. Man is a being who is not satisfied until he has pushed the precariousness of his position to the brink of destruction. Can he be taught to adopt the same attitude to humanity—can he, as Dr. Smith suggests, see how far he can move in humane action before compromising self-interest?

Unilateral nobility, a form of altruism Dr. Smith urges, is a magnificent goal. But history has proved that man is hardly ever unilaterally noble. Man's hope is to convince himself that nobility and good faith are in his best interests. Call this negative motivation if you will, the man who reflects the light from an atomic explosion is little different from his predecessors.

The atomic age may be an age of terror or an age of beneficence. There is little of each aspect in the other. But while it may emphasize the severity of the problem, it leaves man with the same enigma which has haunted him throughout existence, and the same hope.

## Educational Washington ♦ Old Miss Faculty Upholds Student Editor's Action

Directly opposing the decision of the student Senate, University of Mississippi's faculty last week endorsed the action of Sidna Brower, editor of the campus newspaper.

Miss Brower, who had denounced the participation of "Old Miss" students in the riots accompanying James Meredith's registration, was praised by the professors for "holding to the American ideal of a responsible press."

Ignoring charges by state politicians, the faculty also passed a resolution saying the U.S. Marshalls weren't totally to blame for the big riot; the professors demanded an impartial investigation.

Action by the faculty against segregation policies has drawn fire not only from the student body, but also from State Legislature members and Sen. James O. Eastland (D-Miss.), who is reportedly conducting a "Red hunt" on the campus.

Pre-printed post cards needing only a signature have been circulated from the State Capitol in Jackson, demanding the dismissal of "integrationist" professors; this campaign, however, has had little effect so far.

In a Jackson speech two weeks ago, Eastland said his staff was currently checking affidavits in which almost 5,000 students had made various charges against professors who tried to squash anti-Meredith demonstrations.

Eastland said many of the professors showed their "Communist colors" by calling Mississippi Governor Ross Barnett "an ass and a dictator" who deserved impeachment.

Head of the powerful Senate Judiciary Committee, Eastland indicated that his committee was investigating the faculty; a spokesman for the committee, however, said no such investigation was underway.

Charles G. Dobbins, spokesman for the American Council of Education (a group representing most American colleges and universities), said his group "abhorred" charges by Eastland that many Mississippi professors were "Marxists, Reds," and at the least "extreme liberals."

The plight of the Old Miss faculty members is now being considered by the ACE, though no plan of action has been decided upon.

At the same time Justice Department officials were praising the action of the University's faculty in stopping many demonstrations during the bloody Oxford riots. Whenever there was an indication of trouble, these professors would form "patrols" along the campus, using their presence as a weapon against student demonstration plans.

However, there are no indications of an easing of tensions in Oxford. Justice Department officials said removal of about 500 troops from the campus is being

considered on a day-to-day basis, but no decision is in sight.

Newly appointed Commissioner of Education Francis Keppel is expected to fan a smoldering controversy in an attempt to increase the power of that office. At stake is control of over a billion dollars a year which federal agencies grant to American colleges and universities.

His embittered predecessor, Sterling McMurrin, last month resigned the \$20,000 a year post, stating that the Commissioner of Education has little to do with coordinating the government's educational program.

McMurrin said that he was unable to perform his job in the face of the pressure on Congress and other branches of the government exerted by "bureaucracies of large and powerful educational organizations."

Sources in Washington have indicated that Keppel, former dean of Harvard's College of Education, held out for the power to reform the Commissioner's job before he accepted the office. Officials are certain that there will be a shake-up among the 1,150 persons now working in the Commissioner's office.

Some officials predict Keppel will pioneer more effective distribution of federal funds to education. Presently, the office supervises the distribution of funds only under the National Defense Education Act and the programs of aid to federally impacted areas and land grant colleges.

However, recent studies have shown that there are serious imbalances in the government's program of research-grants, with the grants going only to a select group of schools for a select group of subjects. Education officials here indicate that Keppel will attempt to extend his control to funds granted by the National Science Foundation, the Defense Department, and other such governmental agencies.

These are just a few of the descriptions attached by official Washington to 46-year-old Francis Keppel.

—As a "Harvard hotshot," he brought the College of Education from a Cambridge wasteland in 1948 to heights as the acknowledged leader in preparation of teachers, school administrators and researchers.

—It was Keppel's "golden touch" in 1959 that engineered a \$2.8 million grant for his college from the Ford Foundation.

—As a "ball of fire," he headed the National Education Association's International Relations Committee; was a member of the 20th International Conference on Public Education at Geneva; was part of the Education Commission for Nigeria; and did task force work for President Kennedy's Federal Aid to Education program.

—"Without a union card" (an

earned doctorate degree), Keppel has gone far in academic circles. With only a B.A., he was selected for a big education job by former Harvard President James Conant.

—As a "tennis chum of McGeorge Bundy," Keppel hopes to resume his court game with this key presidential adviser once he's at home in Georgetown.

One of the first controversies Keppel must settle is: Who runs the educational end of the federal government—the Commissioner of Education or the Secretary of Health, Education and Welfare?

The latter, Anthony J. Celebrezze, said recently that the Education Commissioner bows to his department on the issue.

Celebrezze is definitely opposed to elevating the Commissioner's post from his department to a cabinet position.

No one really knows if Keppel's relationship with the White House Staff, including Arthur Schlesinger, will change this.

There's no doubt on Keppel's stand on federal aid to education—it's down-the-line new frontier. Keppel was a member of a committee recommending a \$2.3 billion a year increase in such funds.

Where McMurrin felt banded about by Washington teacher lobbies, Keppel was welcomed with open arms by the National Education Association.

When Keppel's selection was made, William G. Carr, Executive Secretary of the NEA, termed him "fully committed to a sound program of national school legislation." (The NEA, which represents elementary and secondary schools, has opposed increases in and to higher education, sought by the American Council on Education.)



PEANUTS appears daily and Sunday in the Boston Herald.



## College World

# No Disciplinary Action Planned After Columbia Raids Barnard

Yes, it can happen even in the high-tuition Ivy League colleges. The party raid has finally come to Columbia. Raided were the dorms of Barnard, Columbia's equivalent to Radcliffe.

The raid nearly came to a halt before it started as raiders were greeted with buckets of cold water. The reception changed, however, as the men moved on to Helen Reid Hall. There, according to the *Columbia Daily Spectator*, "undergarments came down fast through the foggy air."

As might be expected, the New York police were soon called in. They were active even after the raid was quelled. One officer reportedly told a group, "Anybody still here in two minutes will be beaten up or locked up."

No one was arrested, however, and the only injury came not from an officer's club, but from a Barnard girl's teeth. The bite, reports the *Spectator*, "was inflicted by a vengeful Honeybear on a Columbia man who seemed ready to climb in her window."

University officials commented that no disciplinary action was taken and that none was contemplated for the future. A few students expressed a fear that the incident would damage efforts being made to allow women in the men's dormitories. They were assured by an assistant dean that the raid will have "no direct effect" on the decision.

### "Consistent With Morality"

While Columbia officials may take the big step and allow women to visit in the dorms, school administrators at Carleton College in Minnesota have taken a step in the opposite direction. They have restricted visiting hours in the Carleton dorms to a month. Said one of the deans, "The Carleton open house policy must be consistent with morality and study habits."

This statement brought forth a letter to the editor of *The Carletonian* from a student at Grinnell College in Iowa, chiding the dean for the implications of his "Victorian statement." The writer pointed out that despite a much more liberal policy, "Grinnell students have not fallen to the depths of sin with open dorms."

Boasted the writer, "At Grinnell, open dorms are permitted twice a week."

### Most Liberal Yet

Open house policies may be too liberal for the girls at Stanford. Oh, they don't object to men in the dorms, but sometimes the other guests . . . Well, this is how *The Stanford Daily* reported it: "Shrill hysterical screams and shrieks from the third floor shattered the tranquil atmosphere of Roble Hall after dinner last night."

"In panic the police and press were summoned. And what was all the commotion about? A raid. No sir. The girls from 3-A and 4-B had dis-

covered swarms of mice scurrying about the corridors.

"Some of the little creatures were painted blue and gold—proof that unimaginative Cal pranksters had been in the farm. (Cal men pulled the same colored mice stunt in Roble before the '60 Big Game)."

"Stanford police now have the captured mice in a barrel. Perplexed officers have yet to figure out what to do with them."

### Police Have Other Problems

Police at Stanford have problems more pressing than the mere disposal of mice. The Santa Clara County Sheriff's office has recently arrested one former and one present patrolman of the Stanford police force. They have been charged with burglaries committed while on duty.

In a statement to *The Stanford Daily*, Lieutenant John W. Gilkey said, "There is no place on my force for a crooked cop."

### College Faces Tax Charges

Also "arrested" recently was Middlebury College, in Middlebury, Vermont. Suit was filed against the college by the town of Middlebury to recover delinquent property taxes due in 1959. The amount of the claim was set at \$1500.

At the same time college attorneys presented a motion to dismiss the suit on the basis that " . . . the action is founded upon a non-existent statute . . ."

No date has been set for the court hearing.

### Other Court Action

"College World," in September, reported the case of four students expelled from St. John's University, a Catholic university in Brooklyn, for taking part in a civil marriage ceremony. Three of the four students brought suit against the school in an attempt to regain admittance. After the court set aside the expulsion order, St. John's announced it would appeal the ruling.

The case came up before the New York Court of Appeals last week. The court this time ruled in favor of the university. The students have now announced that they will appeal to the state Supreme Court.

### "The Panther's Pen"

A short article in "The Panther's Pen" column of *The Delphian* (Adelphi College, Garden City, Long Island) might be of some interest to the Techman:

" . . . Poor MIT collegians: Ted Kennedy, Lodge, Fats Domino, Peter, Paul, and Mary, and Josh White all appeared on sked for same weekend. . ."

According to back issues of *The Tech*, Kennedy and Lodge appeared on Sept. 26, Josh White on Sept. 29, and Peter, Paul, and Mary and Fats Domino on Nov. 10. It must be the rushing around so typical of New York that causes such a compression of time.

## Educational Washington National Cultural Center Planned For Washington

A month before he was elected in 1960, President Kennedy spelled out his stand on the relationship of government and a nation's culture.

"The government cannot order that culture exists," he said. When asked about the creation of a cabinet-level Secretary of Culture, Kennedy answered that such a post might "stultify the arts, if wrongly administered."

Federal funds for the performing arts? "I do not believe federal funds should support symphony orchestras or opera companies, except when they are sent abroad in cultural exchange programs," Kennedy said.

But government can, he added, provide the environment and stimulus "in which culture flourishes."

At the core of Washington's cultural explosion is Jacqueline Kennedy, the First Lady with the collector's eye for art and antiques, and the ear for Casals' cello.

Last week's star-studded, closed-circuit television extravaganza might have fallen financially on its face if it hadn't been for her influence.

The money raised will go toward the \$30-million National Cultural Center's construction. Tickets for the show, especially in Washington, weren't selling well until after the President had a conference with businessmen. His wife was the honorary chairman of the affair, and her mother, Mrs. Hugh D. Auchincloss, was the working chairman.

Just what the Cultural Center will do when it is completed on its riverside site near the Lincoln Memorial is still very much up in the air. It will of course, provide three separate auditoriums for the performing arts.

More important, however, is what the National Cultural Center will do for coming generations of American artists and performers. The Center's trustees, by an act of Congress, can use government resources to develop American talent.



LIEUTENANT JERRY HOLLMAN, PH.D. IN ELECTRICAL ENGINEERING

## "If I had it to do over again, would I take Army R.O.T.C.?"

You bet I would, and I'll tell you why. Army officers live better than I expected. Take me. At the Army Signal Research Lab in Fort Monmouth, I get a chance to put my engineering background to good use. I keep on top of new developments. The experience is terrific, and it's going to pay off whether or not I stay in the Army. From Fort Monmouth I can go to a play in New York one weekend, and visit Washington the next. On my officer's salary I can afford it. Of course I have an active social life on post, too. Officers' club. Parties. Dances. You name it. My advice to you is this: if you have only two years to go for a commission, get it. Once on active duty, you'll be mighty glad you did."

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## Boston Symphony Orchestra Will Present Final Pre-Vacation Concert Tonight At 8:30

The Boston Symphony Orchestra will give its final concert prior to the Orchestra's mid-winter vacation tonight at 8:30 at Symphony Hall.

The concert will include works by contemporary composers, including Irving Fine's "Notturmo for Strings and Harp," "L'Ascension," Four Symphonic Meditations by Messiaen, Prokofiev's suite from the Ballet "Chout" ("Buffoon"), and Paul Hindemith's Symphony "Die Harmonie der Welt."

The Orchestra's concerts will resume December 22 and 23 with a program of Mozart.

### WTBS Schedule

**Tuesday**  
8 am—Rise and Shine, Part I  
9:00—News, Rise and Shine, Part II  
9:45—Sign Off  
5 pm—Music USA  
6:00—Tempo  
6:50—News  
7:00—The Jay Martinson Show  
9:00—News, Masterworks  
12:00—News, Jazz at Midnite  
1:00—Sign Off  
**Wednesday**  
8 am—Rise and Shine, Part I  
9:00—News, Rise and Shine, Part II  
9:45—Sign Off  
5 pm—The John Browning Show  
6:50—News  
7:00—Special Christmas Show—“The Other, Wise Man,” a reading by Arthur H. Rogers  
8:10—Basketball vs. Northeastern. After game, News, Masterworks  
12:00—News, Jazz at Midnite  
1:00—Sign Off  
**Thursday**  
8 am—Rise and Shine, Part I  
9:00—News, Rise and Shine, Part II  
9:45—Sign Off  
5 pm—Like Young  
6:50—News  
7:00—Rambler Round  
8:40—Limeite Review  
9:00—News, Masterworks  
12:00—News, Jazz at Midnite  
**Friday**  
8 am—Rise and Shine, Part I  
9:00—News, Rise and Shine, Part II  
9:45—Sign Off

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## theatre...

# 'Blues' Hints At Tremendous Insight

By Charles Foster Ford

"American Blues" is a collection of three fresh, young plays by a fresh young playwright named Tennessee Williams. They are tiny, fragile things, in which subtlety of detail hints at tremendous depths of insight. The Actors Playhouse, where an audience of 75—maximum—focuses on small stage, seems designed for just such plays. Together, playwright and actors turn in a moving, magical evening.

"This Property Is Condemned" is perhaps the best known of these plays, and unfortunately the worst acted. It is essentially a virtuoso role, Willie, with Tom as someone to talk to. A girl of about twelve or thirteen, Willie is entirely wrapped in memories of her late, loose-moraled sister. The "main attraction" of a boarding-house for railroad men, sister died of consumption and Willie, so she says, "inherited all her beaux."

The play is a sudden, intimate conversation resulting from the chance meeting of two children. Willie, it becomes clear, has established a quite elaborate dream-world on the remembered glories of her sister, and little of what she says is true. It is the tension between what Willie says about herself, and the reality which shows itself occasionally, which is the major interest of the play.

Unfortunately, Judith Ross

AMERICAN BLUES, three one-act plays by Tennessee Williams; directed by Edward Greer; settings, lighting, and costumes designed by Loren Morill and David Hoffman; at The Actors Playhouse, Alan J. Levitt, Executive Director.

CAST  
"THE CASE OF THE CRUSHED PETUNIAS"  
Dorothy Simple ..... Frances Bay  
Police Officer ..... David Tabor  
Young Man ..... Peter Masterson  
Mrs. Dull ..... Valerie Veraska

THIS PROPERTY IS CONDEMNED  
Willie ..... Judith Ross  
Tom ..... John Moriarty  
MOONEY'S KID DON'T CRY  
Moony ..... Peter Masterson  
Jane ..... Frances Bay

plays Willie with much too high a pitch of intensity. She conducts herself entirely on a feverish peak of emotion, ignoring the matter-of-factness of the very young. Her emotional extremes, then, are shattering crises that are a bit too hard to believe.

John Moriarty is just there, which is an adequate description of Tom. However, he often stands about at a loss as to what to do. He should either be snowed completely by this performance, or be wholly bored by it. Tom knows that, for all her pretensions to prostitution, the worst Willie has done is dance naked before a friend of Tom's. The edge of disbelief which this adds to his lines could be more pronounced.

The first and last plays on the bill are showpieces for Frances Bay and Peter Masterson. The first is a light little farce: Doro-

thy Simple, owner of the "Simple Notions Shop" in Primarproper, Mass., meets a salesman travelling for "Life, Inc." He makes his sale, entices her out of her unemotional little rut, and she is off on a search for adventure at close of curtain.

The play is full of heavy-handed symbolisms, which are played mostly for laughs. One wonders, however, if the original producers of this play, a college group when Williams was young, was as delightfully aware of its possibilities as a comedy.

"Moony's Kid Don't Cry", on the other hand, is a tight capsule version of much of the thematic material associated with Williams. Moony, the star-struck dreamer, the empty-handed idealist, chafes under the yoke of marriage. The dull rewards of job, wife and child are not enough for him, though he cannot tell what else life might hold. This four a.m. conversation between the restless idealist and his once-pretty, overly married wife, is both explosive, and quite realistic.

Miss Bay and Mr. Masterson handle both comedy and drama with effortless perfection. Occasionally, in "Moony's Kid", Miss Bay reacts physically and emotionally before speaking her line, thereby blurring her performance. But, as a generality, they project a depth of comprehension which is unbelievable.

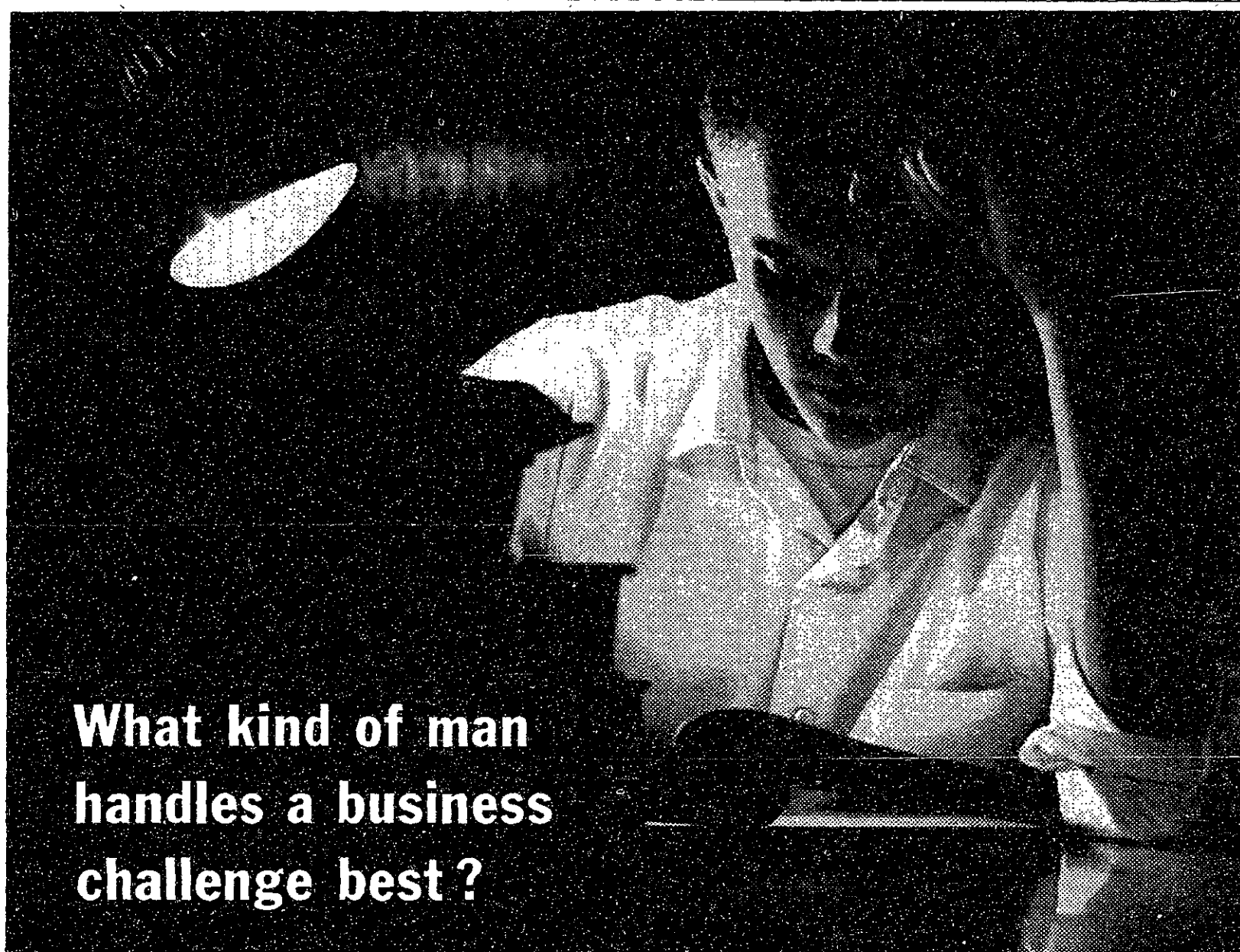
Though the Hotel Bostonian (home of Actors Playhouse) has a bar, it is recommended that one sit through the set changes. Designed by Moren Morill and David Hoffman, the sets are made from ingeniously interchangeable pieces. The reshuffling process is well worth watching.

Wed., Dec. 11  
Unless otherwise  
schedule is  
before 1 p.m.  
ASTOR  
Wed. Sat.  
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dra. 9:30  
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for the Se  
3:25, 5:30;  
BRATTLE  
5:30, 7:30;  
Sun. (last  
Xmas Eve.  
CAPRI —  
tion of Dr  
3:30, 6:15;  
3:30, 6:15;  
6:30, 9:15;  
4:25, 7:15;  
7:25, 10:10;  
2:35, 5:20;  
5:35, 8:20;  
EXETER —  
15-21, 2:30;  
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FINE ARTS  
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Sun., 7:00;  
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Marcel Marce  
Dec. 27 or  
\$2.95, \$2.25  
Ice Capades  
8:00, Dec.  
2:00, 6:00;  
1, 1:00, Jan  
5, 1:00, 5:00  
tickets \$4.  
\$2.00.



What kind of man  
handles a business  
challenge best?

## A board chairman talks about tomorrow's executives...

The Bell System has always sought men who could keep telephone service constantly improving. Men with exceptional engineering talent, men with equally outstanding managerial potential. Such men are widely sought on college campuses across the United States. And with the future of communications unfolding so rapidly, the search has intensified.

But still there is the old question to be answered, "What kind of man handles a business challenge best?" A midwestern college audience recently heard these comments in a talk by A.T.&T. Board Chairman, Frederick R. Kappel.

"...We took the records of 17,000 college men in the business who could fairly be compared with each other, and, examining their records, sought the answer to the question: 'To what extent does success in college predict success in the Bell System?'..."

"...The results..."

"...The single most reliable predictive indicator of a college graduate's success in the Bell System is his rank in his graduating class."

"A far greater proportion of high-ranking than low-ranking students have qualified for the large responsi-

bilities... While a relationship does exist between college quality and salary, rank in class is more significant...

"...What about extracurricular achievement?... Men who were campus leaders reached our top salary third in slightly greater proportion than those who were not. But it is only real campus achievement that seems to have any significance. Mere participation in extracurricular goings-on does not..."

"...What we have here, as I said before, are some hints—rather strong hints—about where to spend the most time looking for the men we do want, the men with intelligence plus those other attributes that give you the feel, the sense, the reasonable confidence that they will make things move and move well... They want to excel and they are determined to work at it..."

"...Business should aspire to greatness, and search diligently for men who will make and keep it great..."

FREDERICK R. KAPPEL, Chairman of the Board  
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# movie schedule

Tues., Jan. 8  
 at the Sunday  
 movies are shown  
 "Day," 8:15;  
 "Sun., 7:30;  
 "Phag-  
 18-13, 5:30;  
 Dec. 20, "Two-  
 10, 11:20, 1:20,  
 "Little Island,"  
 "Business Sat. and  
 5:30. No movies  
 70," "Tempa-  
 10:00, 12:45,  
 "m," 1:00, 3:45,  
 10:55, 1:40,  
 "m," 1:55, 4:40,  
 "Raffel," 11:50,  
 50, Sun., 2:50,  
 "Error," Dec.  
 00, 7:40, 9:25;  
 "Gervaise,"  
 19, "The Important  
 "The Important  
 "The Hill Mob,"  
 "Barabbas," eve-  
 1:30, start-  
 "of Arabia,"  
 10, Wed., Sat.,  
 "day Dec. 22-  
 "The Chapman  
 9:15, "Watch  
 7:45, Starting  
 "in Another  
 "Very Pri-  
 25, "Very Pri-  
 7:35, also  
 "of 1962," Sun.  
 "ive is A Many  
 "An Affair

# chedule

"American  
 plays by Ten-  
 Dec. 18-25,  
 "Bully Budd,"  
 Dec. 19, 8:30,  
 3:00, 7:30;  
 "The Mary Sum-  
 30, Sun., 3:00,  
 AT THE  
 "The Chapman  
 9:15, "Watch  
 7:45, Starting  
 "in Another  
 "Very Pri-  
 25, "Very Pri-  
 7:35, also  
 "of 1962," Sun.  
 "ive is A Many  
 "An Affair

RENAISSANCE  
 and prints, Mu-  
 through Christ-  
 mas, 10-10pm.  
 Sun., 1:30-5:30  
 "Theatre,  
 \$4.95, \$3.95,  
 Jan. 6, Dec. 27,  
 8:00, Dec. 30,  
 Dec. 8:00, Jan.  
 1:4, 8:00, Jan.  
 0, 5, 2:00, 6:00;  
 \$3.00, \$2.50,

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# theatre at mit...

## Dramashop Presents Wilders' 'The Matchmaker'

The MIT Dramashop made a  
 glorious success of "The Match-  
 maker" last week, and anyone  
 who missed it is much the poorer  
 for it. "I never laughed so hard  
 and long" is the general reaction  
 of everyone who saw it.

Farce must be played so swift,  
 and crisp, and wittily, that the  
 audience is much too busy laugh-  
 ing to notice the violence done to  
 logic and reality. Except for a few  
 uneasy moments at the very be-  
 ginning and at the very end (tying  
 up loose ends is inevitably anti-  
 climactic), this is exactly what  
 happened at the Kresge Little  
 Theatre last week.

Like an expert juggler, Thornton  
 Wilder managed to keep several  
 interwoven sub-plots in the air at  
 once. Dolly Levi (Joan Tolentino),  
 while supposedly looking for a  
 second wife for Horace Vander-  
 gelder (Bob Lanchester), is out  
 to snag him for herself. Vander-  
 gelder's daughter Ermengarde  
 (Loris Philips) is determined to  
 marry Ambrose Kemper the artist  
 (Joseph Lambert) without her  
 father's consent. Irene Molloy  
 (Linda Arnsvalder) also has her  
 eye on Vandergelder as a mar-  
 riage prospect. Vandergel-  
 der's hardware store clerks, Cor-  
 nelius Hackl (Michael Merritt)  
 and Barnaby Tucker (Roger Gans)  
 are visiting New York City in  
 search of adventure. ("Barnaby,  
 we're going to spend all our  
 money, and have an adventure,  
 and nearly get arrested, and we

THE MATCHMAKER, by Thornton  
 Wilder; directed by Joseph Ever-  
 ingham; assisted by Helen Brumby;  
 costume designer, John Lekke '65;  
 costumer, Helen Brumby; set de-  
 signers, Conrad Jaffe '64 and  
 Steve Schauman '64; lighting design-  
 er, James Moore '64; presented by  
 the MIT Dramashop.  
 CAST  
 Horace Vandergelder  
 Bob Lanchester '63  
 Ambrose Kemper  
 Joseph Lambert '64  
 Joe Scanlon  
 Don Torriani '64  
 Cornelius Hackl  
 Michael Merritt '66  
 Barnaby Tucker  
 Roger Gans '63  
 Malachi Stack  
 Joseph Morin '66  
 Ermengarde  
 Loris Phillips  
 Gertrude  
 Norma Anderson  
 Mrs. Dolly Levi  
 Joan Tolentino  
 Mrs. Irene Molloy  
 Linda Arnsvalder  
 Minnie Fay  
 Nancy Blake  
 Rudolph  
 Tony Blake  
 August  
 Robert Colvin  
 A Cabman  
 John Sowie '66  
 Miss Flora Van Huyen  
 Beatrice Paupert  
 Miss Van Huyen's Cook  
 Norma Anderson  
 A Musician  
 William Brown '66

won't come back to Yonkers till  
 we've kissed a girl.") With all  
 of them in New York on the same  
 Saturday, and eventually all in the  
 same restaurant at the same time,  
 this calls for some pretty fancy  
 juggling indeed.

Thornton Wilder has always had  
 a slightly irregular approach to  
 drama. In this play, many of the  
 characters come forward to speak  
 about their philosophies of life,  
 in something much more direct  
 than mere soliloquies. This delib-  
 erate breaking of character allows  
 each to comment upon life, and  
 upon his actions on the stage, in  
 an intimate and chatty way. These  
 "choric passages", rather than  
 breaking the pace, actually add



The tumultuous end of Act II of Thornton Wilder's THE MATCH-  
 MAKERS as presented last week by the MIT Dramashop. Seen above  
 are Michael Merritt '66 (Cornelius Hackl) in the foreground and (l. to  
 r.) Bob Lanchester '63 (Vandergelder), William Brown '66 (musician),  
 and Joan Tolentino (Mrs. Levi).  
 —Photo by Conrad Grundlchner

much to the audience's enjoyment.  
 Major roles, in all cases, were  
 admirably filled. Bob Lanchester  
 played the 60-year-old millionaire  
 as a crusty, crochety curmudgeon.  
 Through the explosive confusion

which ends act three, his shrieks  
 of "You're discharged!" at al-  
 most everyone in sight, sum up his  
 outlook perfectly.

Joan Tolentino as the widowed  
 Dolly Levi was unforgettable. She  
 eats, she talks, she has an answer  
 for everything, and she will not be  
 denied! Her avowed interest in  
 marrying Vandergelder is to cir-  
 culate some of his money and let  
 it make people happy. Vandergel-  
 der, we're sure, will be the first to  
 benefit from such a bubbling,  
 spendthrift spouse.

The widow Molloy (Linda Arns-  
 valder) is another delightful por-  
 trayal. "Millineresses", she says,  
 "are suspected of the worst  
 morals in town; and, rather than  
 live up to gossip, I haven't been to  
 an opera, or an expensive dinner  
 in years." Her opportunity comes  
 when Cornelius Hackl and Bar-  
 nabay enter her shop, just before  
 their boss, Vandergelder, comes to  
 call. In explanation, Dolly Levi  
 makes up a riotous secret-life for  
 Cornelius, and Irene Molloy forces  
 him to live up to it. Miss Arnswal-  
 der has a sly smile and subtle  
 wink which tells the audience she  
 knows (and knows they know) she  
 doesn't mean exactly what she  
 says.

Michael Merritt (Cornelius) and  
 Roger Gans (Barnaby) had a right  
 good time as the two clerks on-the-  
 town, and communicated their ex-  
 citement at unexpected adventures  
 quite well. The third clerk, a roll-  
 ing-stone named Malachi Stack,  
 was also well done by Joseph  
 Moran. His dissertation ("My ad-  
 vice is: one vice at a time") justly  
 stopped the show.

What a joy it must be, to be  
 Joseph Everingham. He must have  
 enjoyed directing this play; and  
 everyone enjoyed seeing it.

## BSO Organ Series To Begin January 20

The Boston Symphony Orches-  
 tra's Symphony Hall Organ Con-  
 certs begin January 20.

There will be four recitals fea-  
 turing David Craighead, organist  
 of St. Paul's Episcopal Church,  
 Rochester; E. Power Biggs;  
 Joseph Miranda, winner of the  
 1962 Young Artists Competition  
 sponsored by the American Guild  
 of Organists in cooperation with  
 the Boston Symphony; and Berj  
 Zamkochian, organist at St. Ther-  
 esa's Church, West Roxbury.

The series begins with David  
 Craighead, who is head of the De-  
 partment of Organ at the Eastman  
 School of Music.

Series tickets will be \$4.00, sin-  
 gle concert tickets \$1.50.

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# Making the Scene

## MUSICALS

BSO — tonight 8:30, Symphony Hall; Fine's "Nocturno for Strings and Harp," Messiaen's "L'Ascension," Prokofiev's Suite from the Ballet "Chout," Hindemith's "Die Harmonie der Welt" Symphony.  
Sonia Vlahov — New England Conservatory, Jordan Hall, tomorrow, 8:30, Mozart's "Sonata for Two Pianos in D major" with Ann Dorsam, Bach's "Chromatic Fantasy and Fugue," Chopin's "Ballade in A flat major," and "Ballade in F Minor."

Villa-Lobos' "Choros, No. 5," Ravel's "Alborada del Gracioso"  
Veronica Tyler — soprano, Gardner Museum, Sunday, 3:00; Mozart's "Mozart," Strauss' "Die Nacht," Hindemith's "Cannatus Esset," a group of contemporary songs and Negro spirituals.  
Norma Ghisli — soprano, Gardner Museum, Dec. 30, 3:00; songs and arias by Durante, Mozart, Brahms, Wagner, Puccini, Rorem and Niles.  
Christine Van Acker — soprano, and Michel Podolski, lute, Jan. 6, Gardner Museum, 3:00.

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4:00 7:45  
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1:55 5:40 9:25  
"Very Private Affair"  
3:55 7:35  
also "Football Highlights of 1962"

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Tues.—Jackie Washington  
Wed.—Dayle Stanley and Geoff Muldaur  
Thurs.—Jim Rooney, Val and Applin  
Fri.—The Silver Leaf Quartet, gospel spiritual and Christmas music.  
Sat.—Eric Von Schmidt and Robert L. Jones  
Sun.—Brunch 11 am-3 pm, Hootenany, 9 pm-1 am.  
Mon.—Closed.  
**Next Week**  
Tues.—Jackie Washington  
Wed.—Hootenany  
Thurs.—Jim Rooney, Val and Applin  
Fri.—Eric Von Schmidt, 8 pm-1 am.  
Sat.—The Bluegrass Buddies, 8 pm-1 am.  
Sun.—Brunch, 11 am-3 pm, Hootenany 9 pm-1 am.

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# movies...

## 'Mutiny' Has Everything

By Gilberto Perez-Guillermo

"Mutiny on the Bounty" is probably the most costly film ever made (although it is bound to lose this title soon, when "Cleopatra" is released). However, there seems to be no special reason for such an excessive expenditure: there are no huge battles, chariot races or burning temples. It seems as if Marlon Brando's spoiled misbehavior has raised "Mutiny on the Bounty" to the category of giant super production (of course, the wide screen, luxurious color photography, sound effects and other technical niceties furthered the film's claims in this direction). The story is a fairly standard conflict between the captain of the ship and the second in command, with a little more depth than usual. The film, as any self-respecting super-spectacle, is meant to appeal to as wide an audience as possible. As a Hollywood producer would say, the movie "has everything". The result is indeed likeable, and most people will probably enjoy the film, even if few will think highly of it. "Mutiny on the Bounty" has achieved many partial successes; however, in no single aspect has it succeeded completely. As a sea story, it lacks action. Captain Bligh's cruelty is never fully conveyed, and the mutiny seems more like a sudden impulse of Fletcher Christian's than a provoked rebellion. As a psychological drama, its failure is due mainly to Brando's

**MUTINY ON THE BOUNTY**, produced by Aaron Rosenberg; directed by Lewis Milestone; screen play by Charles Lederer, based on the novel by Charles Nordhoff and James Norman Hall; music by Bronislau Kaper; photography by Robert L. Surtees; at the Saxon Theater, Boston.  
**CAST**  
Fletcher Christian ..... Marlon Brando  
Captain Bligh ..... Trevor Howard  
John Mills ..... Richard Harris  
and Hugh Griffith, Richard Haydn, Percy Herbert, Tarita.

inability to portray Fletcher Christian in any consistent manner, resulting in a confused, unconvincing performance. Trevor Howard does a much better job as Captain Bligh, although his portrayal tends to be a bit like a caricature sometimes.  
Credit for the direction goes to Lewis Milestone ("All Quiet on the Western Front" "Pork Chop Hill") although in the process Sir Carol Reed ("The Third Man", "Our Man in Havana") directed an unknown part of the film. Both are quite capable directors, and have made "Mutiny on the Bounty" a good entertainment (whatever that means). Without ever being brilliant, the movie is generally well-constructed, never tiring (a surprising achievement for a super-production), often beautiful and even cinematically interesting sometimes (the ship's setting sail is quite impressive, with an excellent visual use of the sails). Landscapes and Tahitian girls (much of the film's advertising is based on the presence of "sensual" Tarita) are photographed in bright color. However, the use of color is never cinematic, being nothing more than technically dexterous sight-seeing.  
This mixture of varied attractions makes "Mutiny on the Bounty" a film of almost universal appeal, in this way fulfilling the aims of a super-production. However prejudiced I may be against

this genre, I must admit that the mixture blends reasonably well in this case.

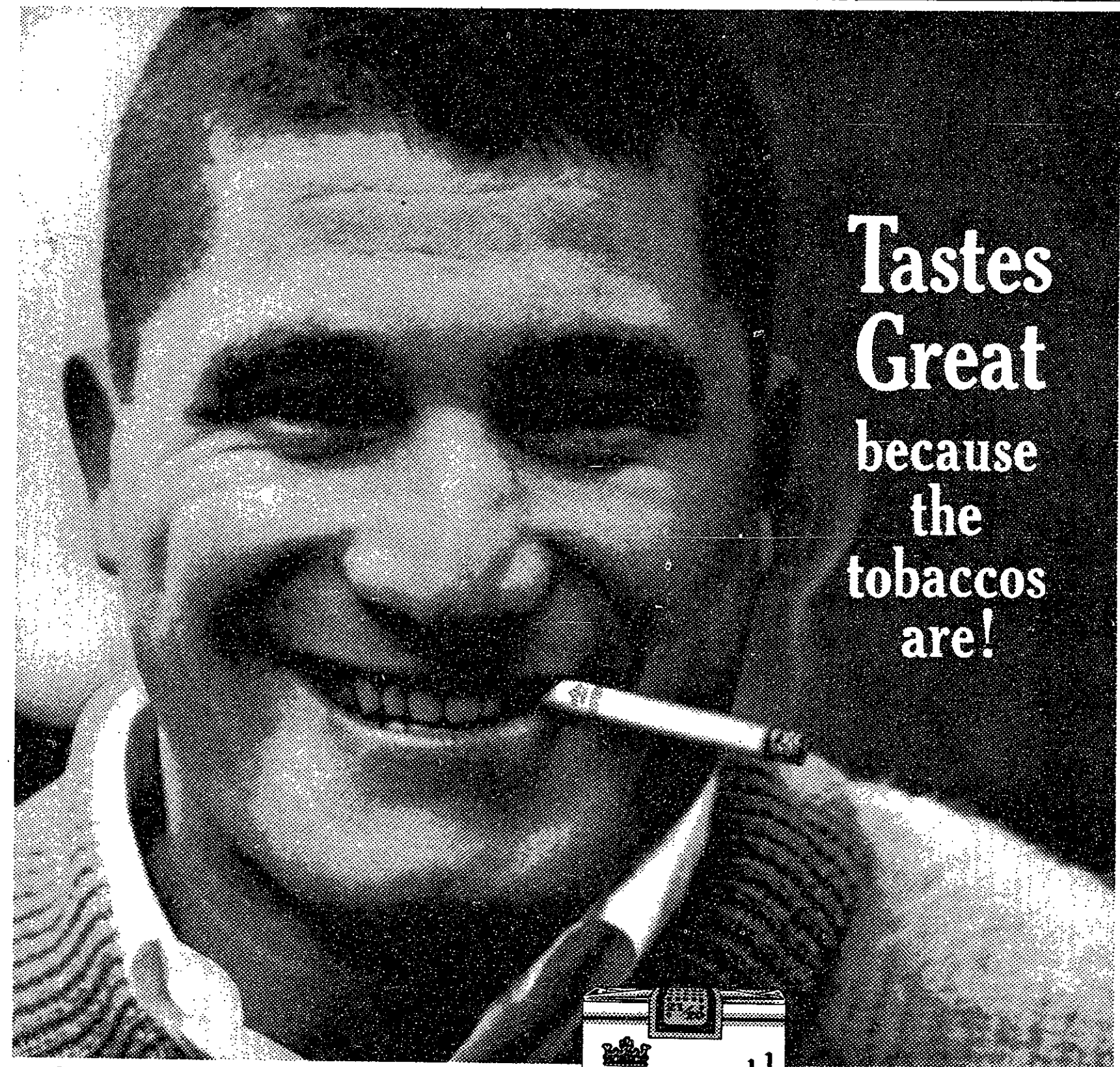
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# Society's 'Messiah' Lacks Enthusiasm On Jupiter's Radiation Pattern

By W. J. Hadden, Jr.

There is an apparent dichotomy in amateur musical groups between allowing the enthusiasm of a group to carry it beyond its lack of technical ability, or achieving such a level of technical performance and professionalism that the emotional force of performance-as-avocation is lost. The two major instrumental groups at MIT follow the first choice, and reap its rewards as they come.

On the other hand, we got the definite impression that this was "just another Messiah" for the Choral Society and the Orchestra, which outlines the problem inherent in the latter choice. We felt a general lack of energy or involvement in musical creation on the part of the chorus and orchestra. Prof. Liepmann strove valiantly to draw them out, but with little success.

This lack was not felt in our soloists, who were the most professional performers on stage. One sensed in them a communication with the music which could not be found in the chorus. Ruth Sullivan, particularly, exhibited a marvelous rapport with Handel and the audience. Not enough may be said in praise of her artistry throughout the evening. This must also hold for Mr. Sullivan although we thought his "Comfort Ye" and "Every Valley" a bit subdued. His later work, however, completed a triumph for the Sullivan family.

Paul Matthen, generally, had fine tone quality and control, though he was not at the level of his work in the Buchter Weinachtsoratorium last November. We were somewhat disturbed by a thinness in Catherine Rowe's vocal tone, but gratefully applauded her "I Know that My Redeemer Liveth." We were happy with Mr. Ruttenberg's work; we hope that future "trumpets" will "sound" more confidently, as they surely will.

The high spots in the choral work were the end of the second chorus, "O Thou that Teldest Good Tidings to Zion," the climaxes of "For Unto Us a Child is Born" (we must note that a great effort on the part of Prof. Liep-

MIT CHORAL SOCIETY, Klaus Liepmann, conductor, assisted by the Cambridge Festival Orchestra: "The Messiah." Georg Friedrich Handel—Catherine Rowe, soprano; Ruth Sullivan, alto; Donald Sullivan, tenor; Paul Matthen, bass; and James Ruttenberg '63, trumpet.

mann was necessary to elicit this response from the group), and the choruses from "Surely He hath Borne Our Griefs" to the end—these were in general much better than the earlier choruses.

We noted intonation problems throughout especially in men's voices and a dearth of altos. The tempo of the final fugue "Blessing and Honor be Unto Him" was slower and heavier than usual—perhaps due to a short preparation period for this performance.

There are several places in which we must differ with Prof. Liepmann concerning his interpretation of slow, dotted rhythmic patterns, specifically in the opening Largo of the overture, and the trumpet figure in "The Trumpet Shall Sound." If "each little note is like a tiny diamond," as Igor Stravinsky has said, then some notes must be more dia-

mond-like than others, from this treatment of them. This is unfortunate. The contrast of moods in "Since by Man Came Death" was fine; the accents on key words in the slow sections were slightly too theatrical, but at least, the chorus was conveying some emotion by this time. The chorus' "Lift up Your Heads" was also great fun to listen to.

The capacity audience, apparently drawn by an urge to make Christmas complete by including a live Messiah, was unenthusiastic about the first section of the work, but warmly applauded the chorus, soloists, and Prof. Liepmann at the end of the evening.

It is our hope, however, that next year's Messiah will be a repeat of last year's "sing-along" affair, and that the Society will be able to find another worthy, perhaps less-performed Christmas work to present to the public.

Jovian radiation was the subject of a talk by Dr. George Field of Princeton University at last week's Compass Seminar.

Jupiter possesses a large radiation belt similar to our own Van Allen belt. It is elongated, extending to a diameter three times that of visible Jupiter.

Field described the current speculations on the makeup of the planet as containing a central core of heavy element to 0.1 radii and metallic hydrogen to 0.8 radii. From 0.8 to 0.99 radii molecular hydrogen predominates and gases above this give rise to the striated appearance. Except for the Red Spot and a few other anomalies, there are no permanent markings, and the rotational period varies with latitude.

The radio-radiation of Jupiter has a periodicity of 9 hr, 55 min, 29.37 sec. It is marked with three lobes and secondary peaks. The radiation belt of Jupiter was dis-

covered at the Naval Research Laboratory in 1958.

The radiation is synchrotron radiation composed of primary frequencies and harmonics with an intensity spectrum peaked at the energy of the radiating electrons. The indications are for a rather high field strength of 1000 gauss. The magnetic poles are inclined to the mechanical poles by 9 degrees. The dipole is not believed to be centered on the planet.

There has been some correlation of radiation with solar activity. A time delay of 1 to 8 days occurs between the solar phenomenon and the correlated Jovian reaction. The delay is not correlated with particular types of phenomenon. The Jovian activity seems to vary inversely with the solar cycle.

## Tech Graduates Make More Money Each Year

The average starting salary for last year's graduating class, with bachelor degrees, was \$7000. Master-degree graduates, on the average, kicked off their working year with an average salary of \$8280 while those with doctoral degrees started with an average of \$11,100.

This was a jump from starting salaries of last year of \$900 more a year for students holding doctorates, \$480 for M.S. holders, and \$384 for those with B.S. degrees.

## Roddy Gets Life

Gilbert M. Roddy, '31, has been elected a life member of the Corporation of MIT.

Roddy is president of the Boston Manufacturers Mutual Insurance Co., and was president of the Alumni Association for 1957-58. He lives in Concord, Mass.



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## 14.91 Political Games:

# Elect Republican Mayor Of Woodbury

In an attempt to learn how a political campaign operates, a section of students in 14.91, The American Political Process, on December 14 and 15 participated in a "political game."

Joined by several students from Simmons College, the students assumed the roles of various participants in the mayoralty campaign of the fictitious city of Woodbury. The game, under the supervision of Professor Bradbury Seasholes, was designed to give the students an insight into the conduct of a political campaign.

The participants assumed the roles of Republican Organization, Democratic Organization, Republican-oriented pressure groups, Democratic-oriented pressure groups, the Mass Media, and Con-

tigency. The Republicans and their pressure groups and the Democrats and their pressure groups made moves in the campaign by stating various things their respective candidate was doing. The Mass Media stated the content of material published and broadcast in the press, radio, and television. Contingency stated the various chance happenings that came up during the campaign.

The fictitious city of Woodbury was located in the Midwest near one of the Great Lakes. Its population of 500,000 was made up of several ethnic groups including native Yankees, Irish, Italian, Scandinavian, German, Negro, and Jewish groups. The groups ranged from low to high income with one party or the other appealing to

each of the various ethnic and religious groups.

The city was divided into wards and the effectiveness of each candidate's campaign in each of the city's nine wards was judged by a team of political science graduate students and faculty.

The participants had an ability to judge the progress of the campaign through the issuance by the directors of the game of three Gallup polls. The Gallup polls gave the answer in terms of specific numbers of people to the question of whom they would vote for if the election were held the day of the poll and how strongly they backed that candidate. The answers were broken down into strong Democrat, weak Democrat, independent, weak Republican, and strong Republican. The answers were also broken down word by word.

At the end of the game the feelings of the electorate were assessed in each ward and a specific number of votes was assigned to each candidate for that ward.

This year's winner was the Republican, "Mr. Arthur I. Stone," local insurance executive, whose successful campaign was run by Marshall Slemrod '65 and William Samuels '65. "Mr. Stone" received a plurality of approximately 1,500 votes in a total of approximately 140,000 votes cast.

Some of the issues arising in the campaign were corruption, taxation, the John Birch Society, port expansion, religion, schools, hospitals, transportation, and the personal dealings of both candidates.

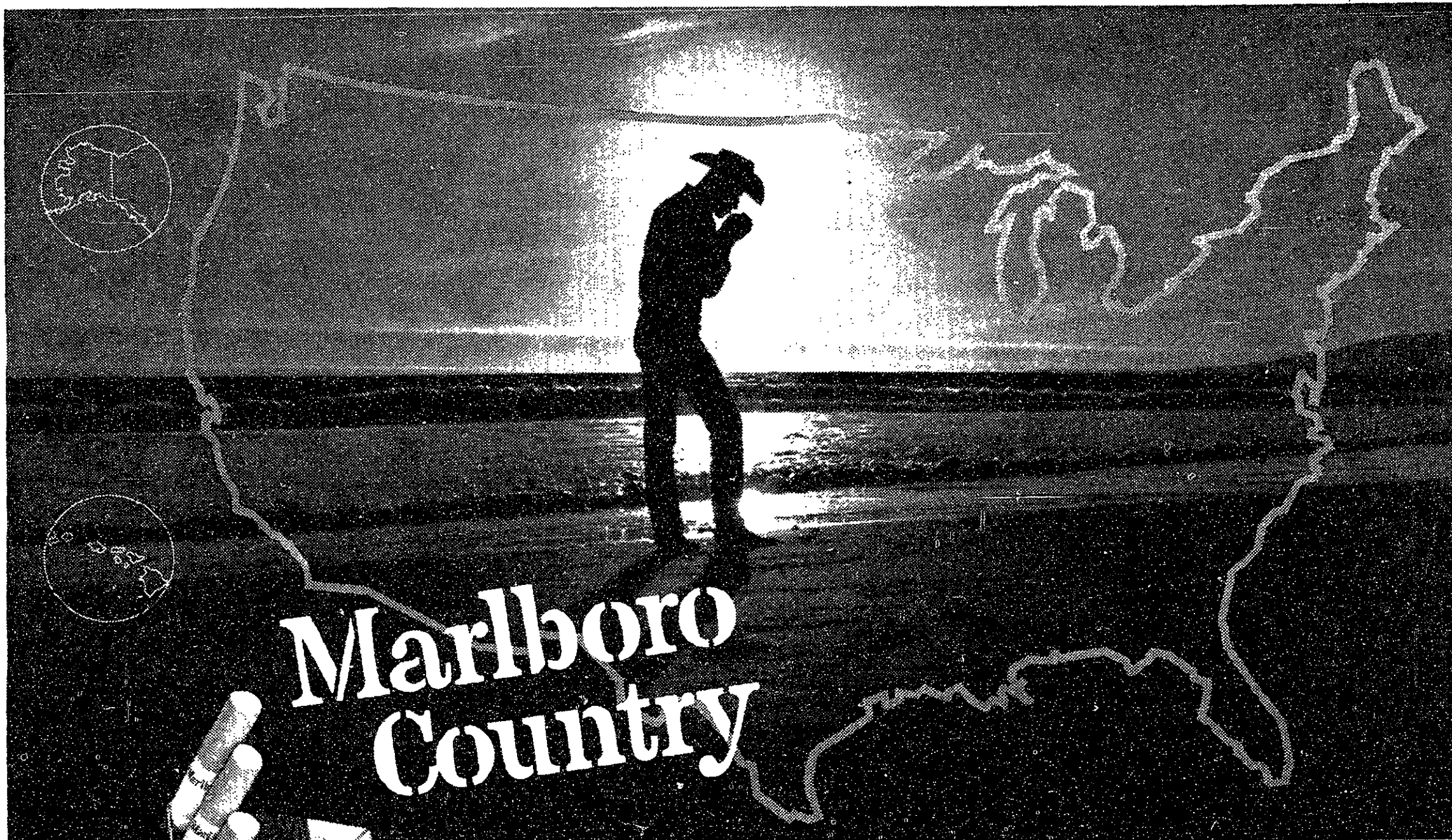
## Operations Research Parking Survey May Lead To Better Use Of Facilities

A parking survey is being conducted by graduate students in Professor Ronald Howard's Operations Research course in order to provide a better understanding of the use and operation of MIT's parking facilities.

The primary purpose of the project is to provide the students with practical experience in the collection and analysis of statistical data. The survey was undertaken for its educational value, and is not intended to solve the parking problems which will arise when construction of the Materials Science Center forces the closing of the main parking lot at the end of this term. However, the results of the poll may provide possible solutions to some of the problems.

According to Albert Sise, Assistant Director of the Office of Personnel Relations, the closing of the main lot will cause no reduction in the allocation of parking stickers. However, some motorists may find themselves parking in less convenient locations such as Technology Square.

It is hoped that construction of a parking structure on Vassar Street will begin about January 15.



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## Sabres Outscore Harvard

# Swordsmen Top Brandeis; Fall To Harvard Fencers

MIT's Fencing Team split two matches this past week, topping Brandeis 16-11 Saturday, while falling to the Harvard swordsmen 17-10 last Wednesday.

### Sabres Outstanding Against Harvard

The sabre team distinguished itself against Harvard, outscoring the Crimson 6-3. Art Best, '64, turned in a 2-0 record, stopping Harvard's Zygas and Kennedy. John Kennedy is considered to be one of the best sabremen in the New England area.

Steve Reznick, '63, lost one bout and won one, but incurred a badly sprained ankle that will keep him off the strips until after Christmas. Al Weil, '63, took his first bout 3-5, but dropped the last two 5-4 each, in sudden death playoffs. Sophomores Bob Silverstein and Craig Wheeler turned in excellent performances, each defeating a first-string Harvard sabreman, 4-5 and 1-5 respectively.

### Crimson Win in Foil, Epee

However, against a strong Harvard foil team, Sophomore Mike Oppenheimer won the only bout, in the third round, against a Harvard substitute. Ralph Zimmerman, '64, usually the mainstay of the team, dropped a 5-4 bout to Harvard's Kirsch and a 3-2 bout to Busch. The final foil score was 1-8 for Harvard.

The epee team did little better; there were three wins in nine bouts, one each by Dave Juncker, '63, Steve Miller, '63, and Bill DeBonte, '65. Final epee score was 3-6 in favor of Harvard.

### Zimmerman Wins 3

The Brandeis match Saturday saw great improvement in foil and epee. In foil, Ralph Zimmerman was outstanding, taking all three of his bouts 1-5, 0-5, and 2-3. The last bout was against Levin, Brandeis' best foil—a sudden-death playoff for one touch without limit of time which Zimmerman won. Barry Rosof, '63, dropped a

bout to Levin but regained his composure to win the next bout 3-5. Mike Oppenheimer lost two bouts, one a 2-1 decision against Levin, and won his third bout, 4-5. Final score in foil was 6-3 and included a victory by substitute Alan Stottemeyer, '65, against a Brandeis substitute.

The epees took the first four bouts, then held off a Brandeis rally for a 5-4 final score. Dave Juncker won twice and Mickey Wilber, '64, once. Dave Snow won one and lost two bouts; Bill DeBonte won his single bout 2-5.

### Sabremen Continue Good Form

The sabres continued the same good form they showed against Harvard, compiling a bout score of 5-4. Al Weil won all three of his bouts 4-5, 2-5, and 0-5. Sophomores Bob Silverstein, Craig Wheeler, and Bob Goeke, each lost one bout, not performing as well as they did against Harvard. Art Best won two and lost his final bout 5-4. The sudden death overtime which decided this bout Best turned his back to the Brandeis sabreman after what he thought was a successful attack. However the director of the bout did not deem the touch sufficient, and the Brandeis fencer touched Best in the back to gain the deciding point.

The difference in the two matches, with Harvard and Brandeis, is illustrated by the fact that there were ten 5-4 bouts with Harvard, and MIT lost seven of them; there were nine 5-4 bouts with Brandeis and MIT won five of them.

If the team can gain in strip-manship and continue to drive for each advantage scores like the Harvard loss should become rare. Certainly the technical potential exists, and it is only a matter of experience that might deny the Technmen victories.

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## Sig Ep Retains Lead Over Burton, Baker In IM Bowling Race

MIT's three top contenders for the IM bowling championship put together excellent series last week. Burton A had a 1559 series, Sigma Phi Epsilon rolled 1557, and Baker A recorded a score of 1551. With only three weeks of bowling remaining, Sig Ep's lead of 4½ Peterson Points seems almost unassailable, but Baker will get its last chance when the two teams meet head-on this week.

The battle for high average is growing more tense as the season grows older. In total pinfall for the season, Jim Bochnowski '65 of Sig Ep has 2781, John Schatz '64 of Senior House 2779, and Homa Lee '65 of Burton has 2777. Thus, only four pins separate these three fine bowlers in this extraordinarily close race.

Bochnowski and Pulkonik of Paradise Cafe each had a 595 series last week to establish a new season high. Haselton of Paradise Cafe rolled the new high game of 234, and the Paradise Cafe scored the new high series with 1580.

### IM Bowling Standings

Team	Peterson Points
1. Sigma Phi Epsilon A	168.90
2. Burton House A	164.58
3. Baker House A	162.98
4. Senior House A	159.28
5. Sigma Alpha Epsilon A	157.20
6. Phi Delta Theta A	156.30
7. Paradise Cafe	154.22
8. Phi Sigma Kappa	152.98
9. Senior House B	152.50
10. Zeta Beta Tau A	151.42

Name	Averages
1. Bochnowski, SPE	185
2. Schatz, Sr. House	182
3. Lee, Bur.	180
4. Pulkonik, Par. Cafe	178
5. Haselton, Bak.	177
6. Landis, PDT	173
7. Souk, SAE	172
8. Johnson, Bak.	171
9. Sullivan, SPE	170
10. Schwarcz, Sr. House	167

## PGD Ties Theta Chi

# For 1st In IM Hockey With Win Over Sig Ep

Phi Gamma Delta moved into a tie for first with Theta Chi in the "A" IM Hockey League this week by defeating Sigma Phi Epsilon 10-1. Norm Dorf '63 led the way with six goals and three assists, helped by Hastings who had three goals and four assists. Dorf now has sixteen points, and remains scoring leader of I.M. hockey. Hastings, with eleven points is in a tie for second place with Werner Blyer '65 of Chi Phi and Chu of East Campus.

Grad House won its first game in "B" League play to take over second place, trouncing Baker House 14-1 on the strength of three goals apiece by Parker, Buckman, and Warner.

Phi Mu Delta remained the leader in the "C" league by pushing past Burton House 8-3 on six goals by O'Connell. Sidney Everett '65 had three for the losers.

East Campus, led by three goals by Chu, shut out Phi Gamma Delta "B" 3-0 in E league action. East Campus is now tied with Sigma Chi in the race for first place in the league.

### Intramural Hockey Standings

A League	W	L	Pts
Phi Gamma Delta A	2	0	4
Theta Chi	2	0	4
Senior House	1	1	2
Delta Psi	1	1	2
Sigma Phi Epsilon	0	3	0

(B League)	W	L	Pts
NRSA	2	0	4
Grad House	1	1	2
Lambda Chi Alpha	1	1	2
Baker House	0	1	0
Theta Delta Chi	0	0	0

C League	W	L	Pts
Phi Mu Delta	3	0	6
Sigma Alpha Epsilon	2	2	4
Kappa Sigma	1	1	2
Pi Lambda Phi	1	1	2
Burton House	0	3	0

D League	W	L	Pts
Chi Phi	2	0	4
Alpha Tau Omega	0	1	0
Phi Kappa Theta	0	1	0
Tau Epsilon Phi	0	0	0

E League	W	L	Pts
Sigma Chi	2	0	4
East Campus	2	1	4
Phi Kappa Sigma	1	1	2
Phi Gamma Delta B	0	0	0
Alpha Epsilon Pi	0	2	0

### LAST WEEK'S RESULTS

A League	W	L	Pts
Phi Gamma Delta A 10, SPE 1			
Senior House 8, Delta Psi 0			
Delta Psi 4, SPE 1			
B League	W	L	Pts
Grad House 14, Baker House 1			
C League	W	L	Pts
Phi Mu Delta 8, Burton House 3			
Kappa Sigma 3, SAE 1			
D League	W	L	Pts
No Games Last Week			
E League	W	L	Pts
East Campus 3, PGD B 0			

## Last Games Wednesday

# IM Basketball Closes; Playoffs After Christmas

The regular intramural basketball season draws to a close tomorrow night, with the playoffs scheduled for after Christmas vacation.

### N.L. Race Ends In Tie

Last week the National League finished its season with Baker A and Grad Management A tied for first place with 6-1 records. Management ended its season with a 50-36 win over Burton A as Emery Olcott led the victors with 22 points. Baker tied for the lead with a 65-42 victory over Sigma Phi Epsilon. Jim Falender '65 and teammate Dave Kalish each scored 16 for the victors, while Mike Hester '65 tallied 20 for the losers. In other National League action, John Ruff swished 24 in a losing cause as the Fijis beat Grad House B, 53-40. Theta Chi outscored AEP, 48-34, as Ron Chang '66 tallied 21 points for the Thets, and Sam Wilensky '59 netted 18 for AEP.

### Paradise Cafe Still Undefeated

In the American League, Paradise Cafe retained its undefeated record by topping Senior House A, 37-27, while Grad House re-

mained in contention, trouncing Sigma Alpha Epsilon, 63-20.

Political Science won its sixth in a row in the Pacific Coast League by edging Delta Kappa Epsilon, 44-37. This win clinched the league championship for the victors. In the only other league game, Tau Epsilon Phi downed Beta Theta Pi, 31-23.

### DU, DTD Battle for Crown

In the only game played in the American Association, Burton House B edged Student House, 40-35, for third place. Delta Upsilon and Delta Tau Delta, both undefeated, meet tonight for the championship in this league.

Theta Delta Chi continued its winning ways in the Eastern League, squeaking by Senior House B, 35-32, in a vital game that put the Theta Deltas in first place. Other action included Sigma Phi Epsilon B's 27-15 win over Burton House C, and Chi Phi's 40-28 victory over Alpha Tau Omega B.

Southern League action saw Pi Lambda Phi B down Burton dining Staff, 40-32, for its first victory. In the only other league game, Non-resident Students annihilated Theta Chi B by the score of 70-6.

### Chokers Win Two

The Chokers won two this week in the Western League, edging Baker D, 38-34, and trouncing Bemis 4th, 75-21. Taylor led the victors in both games, scoring 16 and 21, respectively. Club 414 won its fifth in a row by beating Baker D, 42-34, and Hayden 2nd rolled over Senior House C, 33-21.

### Intramural Basketball Standings

American League	W	L	Pts
Paradise Cafe	6	0	12
Grad House A	5	1	10
Lambda Chi A	3	2	6
Senior House A	3	3	6
Sigma Alpha Epsilon	3	3	6
Alpha Tau Omega A	1	4	2
Sigma Chi	1	4	2
Phi Delta Theta	0	5	0

National League (Final)	W	L	Pts
Baker A	6	1	12
Grad Management A	6	1	12
Phi Gamma Delta	4	3	8
Grad House B	4	3	8
Sigma Phi Epsilon A	3	4	6
Theta Chi A	3	4	6
Alpha Epsilon Pi	2	5	4
Burton A	1	6	2

Pacific Coast League	W	L	Pts
Political Science	6	0	12
Grad Management B	5	2	10
Phi Mu Delta	4	2	8
Delta Kappa Epsilon	3	2	6
Chinese Student Club	4	3	8
Tau Epsilon Phi	2	3	4
Beta Theta Pi	1	4	2
Nuclear Engineering	0	7	0

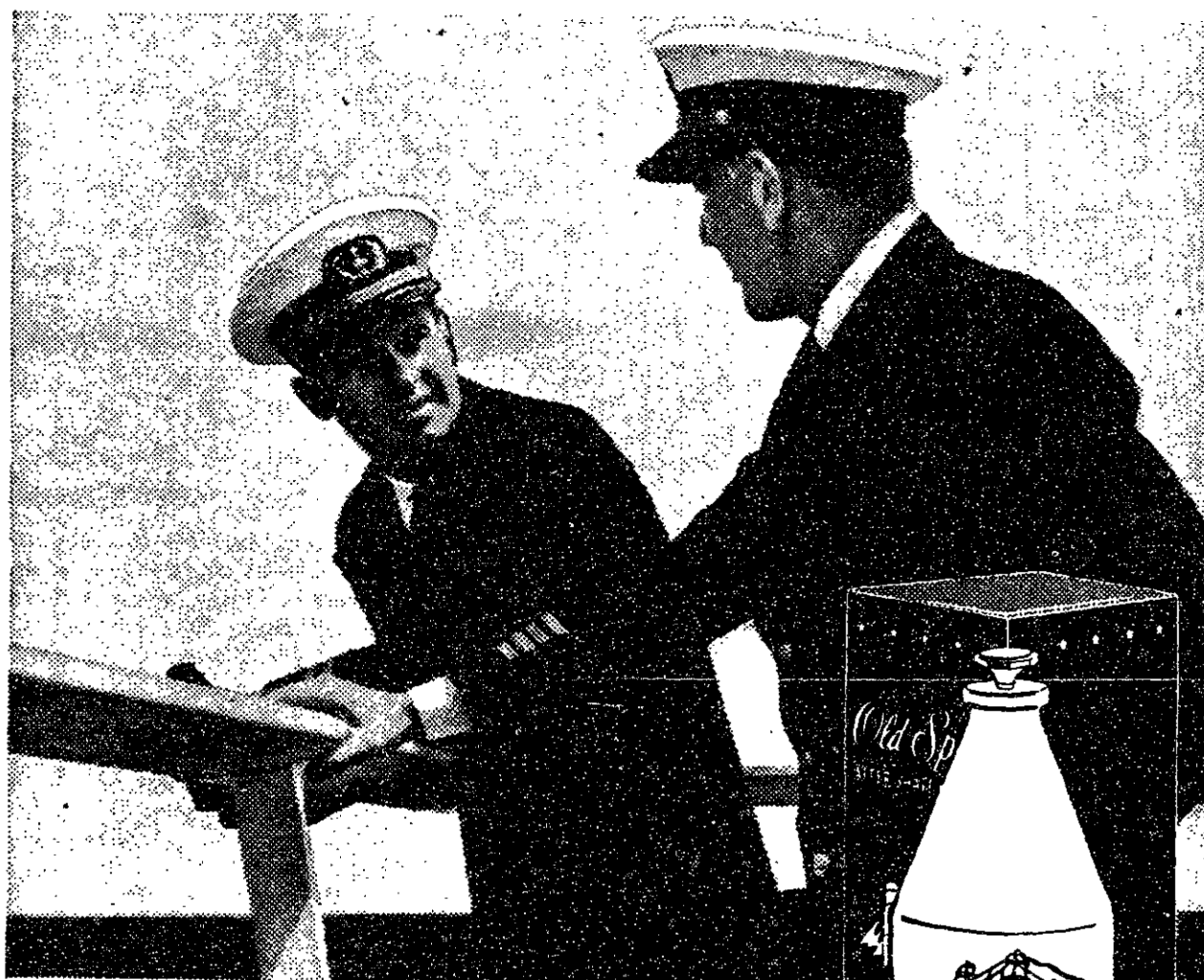
American Association	W	L	Pts
Delta Tau Delta	4	0	8
Delta Upsilon	4	0	8
Burton House B	3	2	6
Student House	2	3	4
Lambda Chi B	1	4	2
Phi Kappa Sigma	0	5	0

International League (Final)	W	L	Pts
Phi Sigma Kappa	4	1	8
Pi Lambda Phi A	4	1	8
Baker House B	3	2	6
Sigma Alpha Mu	3	2	6
Zeta Beta Tau	1	4	2
Phi Kappa Theta	0	5	0

Eastern League	W	L	Pts
Theta Delta Chi	4	0	8
Senior House B	4	1	8
Kappa Sigma	3	2	6
Sigma Phi Epsilon B	3	2	6
Chi Phi	2	3	4
Burton House C	1	4	2
Alpha Tau Omega B	0	5	0

Southern League	W	L	Pts
Baker House C	4	0	8
Burton Fine 5th	4	1	8
Grad Dining Staff	4	1	8
Non-Resident Students	3	2	6
Pi Lambda Phi B	1	4	2
Theta Chi B	0	5	0
Burton Dining Staff	0	5	0

Western League	W	L	Pts
Club 414	5	0	10
Hayden 2nd	4	1	8
The Chokers	4	1	8
Baker D	2	3	4
Senior House C	1	4	2
The Avantis	1	4	2
Bemis 4th	0	4	0



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# Cagers Defeat Bowdoin, Lose To Union

Tech's Varsity Cagers earned their first victory of the season last Tuesday, defeating Bowdoin 72-60, but lost to Union 56-54 on Saturday, in their second overtime defeat of the season.

Tech jumped out to an early 8-0 lead in the Bowdoin game, as junior co-captains Jeff Paarz and Kent Groninger connected on a pair of jump shots apiece. By the middle of the first half, MIT had built up a 24-6 lead. The Engineers held this advantage for a 39-20 halftime lead.

## Bowdoin Rally Falls Short

However, Bowdoin came back strong in the second half, chopping away at the large Tech lead. Sparking this surge was the excellent outside shooting of Joe Brogna and Al Loane, and at one point the Tech lead was cut to 7 points. But here the Techmen took command again and held on for the win.

## Four Techmen in Double Figures

High point man for the game was Bill Eagleson, with 20; Jack Moter, '64, Paarz, and Groninger, also hit double figures.

Tech jumped off to an excellent start in the Union game,

building a 20-6 lead midway through the first half. But at this point Union took charge; at half-time the Engineers' lead was 23-18.

Union continued its scoring spree into the early minutes of the 2nd half, and finally took the lead, 25-24. Here, MIT surged ahead again on jump shots by Paarz, and Eagleson, and led 32-27 with 13:50 remaining. But Union, sparked by the corner shots of Dave Santos, spurred once more and fought to a 44-39 lead with 6 minutes left.

## Tech Comes Back to Tie

Tech at this point called time-out. When play resumed, MIT sprang a double-team defense on the Union backcourtmen, forcing Union into a series of bad passes and fumbles. Tech pulled into a 46-46 tie as Eagleson and Bob Grady hit on driving lay-ups. With 6 seconds left, Tech stole the ball and called time. The ball was tossed in to Kent Groninger, but his jump shot rimmed the hoop and refused to drop in.

## Sahr Scores Decisive Goal

Tech scored first in the overtime on a free throw by Groninger, then led 53-52 as Santos and Paarz traded jump shots. However, Union took the lead for the final time on a field goal by Mike Sahr with 3:10 left. Another basket by Mike Hollowaty and a free throw by Paarz ended the scoring.

High point man for the game was Santos with 22; Eagleson led the Tech scorers with 19; Paarz and Groninger also hit double figures with 13 and 10 respectively.



Bill Eagleson nets two more points for the Engineers in Saturday night's contest with Union. Despite Eagleson's 19 points, the cagers dropped the contest 56-54 in overtime. Backing up the play is Jack Moter (35).

## Matmen Top Williams, Lose to Coast Guard; Season Mark At 3-2

MIT's wrestling team ended its pre-Christmas competition with a resounding 27-5 victory over Williams College, rebounding from a 19-8 defeat at the hands of a very strong Coast Guard team. Their season record now stands at 3 wins and 2 losses, with victories over Tufts, UConn, and Williams, and losses to Harvard and Coast Guard.

## Evans, Gerrity Win

The Coast Guard grapplers overcome their Tech opposites in 5 of 8 weight classes, showing great strength at all positions. But Tech veterans Jim Evans and Tom Gerrity maintained their unbeaten, untied status, pinning their Coast Guard opponents. Terry Chatwin was tied by Devines of Coast Guard, but he also remains undefeated.

The Williams match was perhaps the best all-around performance by the Tech wrestlers this season. All the veterans on the squad won strong, convincing victories, and the sophomores on the team showed poise and promise in winning their matches.

## Techmen win 7 of 8 at Williams

Gerrity, Evans and Chatwin again remained undefeated in this match. Don Frederickson '65 scored a pin over Watterson in the 157-pound class, downing his man in 8:18. Bob Wells '65 decided Jay Selvig 12-8 in the 177-pound class, and Kim Sloat '64 pinned Hohenadel in 6 minutes, 32 seconds for a season record of 2-1. In all, the MIT matmen won 7 of 8 matches against Williams, for a point score of 27-5.

## MIT vs. Williams

Wt. Class	MIT	Opponent
123	Armen Gabrielian 3	Lloyd 0
130	Tom McCauley 5:35	Bieber wbf
137	Jim Evans wbf	Wintfield 3:58
147	Terry Chatwin 11	Friedman 0
157	Don Frederickson 8:18	Watterson 0
167	Tom Gerrity 6	Howard 2
177	Bob Wells 12	Selvig 8
unl.	Kim Sloat wbf	Hohenadel 6:32
MIT vs. COAST GUARD		
123	Armen Gabrielian 1	Bishton 3
130	Tom McCauley 8:38	Cain 1
137	Jim Evans 4	McGuire 0
147	Terry Chatwin 4	Devines 0
157	Tom Gerrity 6	Laughry 0
167	Don Topkis 0	Ballantine 7
177	Bob Thomas 0	Sharp 8
unl.	Kim Sloat 1	Christensen 3

## UNH Whips Icemen; Engineers Miss Denny

Tech icemen were soundly beaten by the University of New Hampshire last Tuesday. Playing without the services of key defenseman Mike Denny, '63, who was out because of illness, the Techmen were shutout 16-0. UNH has one of the top teams in New England this year.

Saturday's game with Fort Devens was cancelled and will not be replayed.

## Tech Swimmers Swamp RPI, 59-36

Tech's varsity swimmers brought their record to 3-1 last Saturday with a 59-36 victory over the RPI Engineers.

With nine first places and numerous seconds and thirds the Techmen won with a score of 59-36. The medley relay of Frank Mechura ('65), Chuck Einolf ('63), Ron Mathin ('63), and Bob Bachrach ('64) set off the meet with a first place. They finished in 4:16.4 beating the RPI team by less than a foot.

## St. Peters, Schrade Win

In the 200 yard freestyle Dick St. Peters ('65) placed first in 2:05.8 and Bob Geroch ('64) placed third. Joe Schrade ('63) pulled out strong in the 50 yard freestyle to win in 24.5. Henry Goldfein ('64) rising into the team's winning circle came into place third. Although he was hard pressed, Bill

Brody, '65 won the 200 yard individual medley in 2:25.2. Eric Jensen moving hard, placed third.

## Colburn takes 1-meter diving

Steve Colburn ('63) turned in a fine performance in the 1-meter diving competition to win with 188.5 points. Lou Thompson ('63) brought up a close second. For the 100 yard freestyle Schrade moved well ahead to win in 55.9 while Bachrach placed with a close third. In the 200 yard backstroke another one-two victory was made. Mechura placed first in 2:26.6 with Tim Sloat ('63) second.

Geroch then came back in the 500 yard freestyle to swim again with his previous opponent. This time pressing even harder he moved well ahead to win by eight body lengths in 6:14.3.

Einolf completed the victory over R.P.I. with a first in the 200 yard breaststroke with a time of 2:37.9.

## Trackmen Drop Meets To Harvard, NE

Tech's cindermen fell twice last week, losing to Harvard (77-27) Wednesday, and to Northeastern Saturday (65-48).

## Flink Falls Short of Record

Against Harvard, Jim Flink '64



Mike Keehner '65 clears 10' mark but fails to place in pole vault, an event which the Engineers swept in their close loss to Northeastern 65-48 Saturday afternoon at Rockwell Cage.

(The Tech Photo by Conrad Grundlehner)

won the high hurdles in 5.3 seconds, only one-tenth second above the record. Flink and Dennis Reinhardt '65 placed second and third in the 40 yard dash, while Mike Parker '65 was able to get a

third in the 600 yard run against strong competition. Captain Tom Goddard was high scorer, with a first in both the 1000 yard run (2:22.6) and the mile (4:32.2).

The field events were dominated by a very strong Harvard squad that swept the 35 lb weight throw and the high jump. Gary Lukis '64 finished second in the pole vault, Bill Remsen '64 was second in the shot put and Dave Carrier '65 placed third in the broad jump.

## Flink Leads Scorers

Against Northeastern, Jim Flink was high scorer, with firsts in the 45 yard high hurdles and the 45 yard low hurdles, and a second in the 50 yard dash. Terry Dorschner '65 backed up Flink in the hurdles with thirds in each. Northeastern swept both the 600 yd run and the 1000 yard run. Tom Goddard '63 won the mile in 4:34 and Dick McMillin showed excellent form as he placed second in the two-mile run. The mile relay team of Ken Harrow '65, John Dressler '64, Mike Parker '65 and Terry Dorschner won their first race in 3:48.

## Tech Strong In Field Events

The field events were much stronger, as Dave Carrier and Roger Hinrichs '63 took first and third in the broad jump. Gary Lukis, Ken Morash '65 and John Shaner '64 swept the pole vault in that order. Bill Remsen placed second in the shot put, Bill Harper '64 was third in the 35lb weight throw, and Dave Carrier came in third in the high jump.

## Riflemen Defeat UNH For 5th Win Of Year; 7 Men Hit 280 Mark

MIT's rifle team posted its fifth win of the season in a match at the University of Vermont last weekend. The Tech marksmen scored a total of 1426 points against UNH's mark of 1396.

## Seven Tech Men in 280's

Seven of the eight Tech competitors who made the overnight trip had scores in the 280's. Trigger trouble halted the eighth entry in his bid to hit the 280 mark. High men for the day were Jim Downward '65 with a 288 and team captain Dick Ludeman '63 with a 287. They were backed up by Jerry Skinner '63, 285, and sophomores Karl Frederick and Zachary Abrams with 283's.

This contest completed the shoulder to shoulder competition for this term. Between terms the rifle and pistol teams will embark on a Southern Trip to face West Point, Annapolis, Merchant Marine, City College of New York, and Rutgers. In February and March there are another dozen matches in New England.

## MIT Edged by Norwich

The preceding Friday the Tech team had lost to Boston University, 1416 to 1397. Saturday of that weekend an all-day match took place in the Beaver range with Harvard and Norwich University. The competition started at 10, but wasn't over until after 4. At the end of the long afternoon, the results showed that Norwich had won with a 1414. MIT placed second with a 1413, and Harvard finished a close third with a 1412. The MIT team average at the start of the weekend was 1420.

## How They Did

Basketball	
MIT 72 - Bowdoin 60	
Fencing	
Harvard 19 - MIT 10	
MIT 16 - Brandeis 11	
Track	
Havard 77 - MIT 27	
Northeastern 65 - MIT 48	
Harvard (F) 80 - MIT (F) 22	
Northeastern (F) 74 - MIT (F) 39	
Hockey	
UNH 16 - MIT (V) 0	
Pistol Shoot	
Coast Guard - 1364	
MIT - 1129	
Rutgers - 960	
Rifle Shoot	
MIT - 1426	
U. of Vermont - 1396	
Squash	
Harvard 9 - MIT 0	
Princeton 9 - MIT 0	
Navy 9 - MIT 0	
Swimming	
MIT 59 - RPI 36	
RPI (F) 56 - MIT 39	

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